

MISSOURI
AIR CONSERVATION COMMISSION
BRIEFING DOCUMENT

April 27, 2006



**MISSOURI DEPARTMENT
OF NATURAL RESOURCES**

Division of Environmental Quality

Air Pollution Control Program

NOTICE OF OPEN MEETING

Persons with disabilities requiring special services or accommodations to attend the meeting can make arrangements by calling the Air Pollution Control Program directly at (573) 751-4817, or by calling the division's toll-free number at 1-800-361-4827. Hearing impaired persons may contact the program through Relay Missouri, 1-800-735-2966. Please visit our web site at www.dnr.mo.gov.

AGENDA

Missouri Air Conservation Commission Meeting
Elm Street Conference Center
1738 East Elm Street
Lower Level
Roaring River Conference Room
Jefferson City, MO 65101
April 27, 2006
9:00 a.m.

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A. Call to Order		Jack Baker
B. Minutes from March 30, 2006 (Approval Requested)	1	Jack Baker
C. Reports - (discussion)		
1. Complaint Report	49	Steve Feeler
2. Settlement Report	77	Steve Feeler
3. Permit Reports	83	Kyra Moore

4. Operations Report

103 David Lamb

5. Director's Report

Jim Kavanaugh

D. Unfinished Business

MOARK Presentation

Camille Dobler

Renewable Environmental Solutions

Steve Feeler

E. Public Hearing

2002 Base Year Emissions Inventory for the Missouri Portion
of the St. Louis 8-Hour Ozone Nonattainment Area

105 Wendy Vit

The Missouri Department of Natural Resources is required to submit a 2002 base year emissions inventory for the St. Louis 8-hour ozone nonattainment area to the U.S. Environmental Protection Agency by June 2006. The base year inventory includes emissions of volatile organic compounds (VOC), oxides of nitrogen (NOx), and carbon monoxide (CO) from all sources within the Missouri portion of the St. Louis ozone nonattainment area.

F. Recommended for Adoption and Actions to be Voted on

None

G. New Business

Attorney General's Office Referrals (Approval Requested)

Steve Feeler

G.M.M.P., Incorporated

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Mr. Mark Russell

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Hobby Lobby

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Sinfabco

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Mr. Matt Holloran

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Mr. Mike Nelson

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PM_{2.5} Presentation

169 Calvin Ku

H. Appeals and Variance Requests

None

I. Open Session

This segment of the meeting affords citizens an opportunity to voice concerns to the commission on air quality issues. Please be advised, comments on specific rulemakings need to be provided as testimony, under oath, during the formal process of the public hearing for that rulemaking.

J. Future Meeting Dates

May 25, 2006 - West Plains

Tentative Tour of Garnett Wood Products

May 25, 2006 – West Plains

West Plains Civic Center

Walnut Room

110 St. Louis Street

West Plains, MO 65775

June 29, 2006 – Jefferson City

Governor Office Building

Room 450

200 Madison Street

Jefferson City, MO 65101

July 20, 2006 – St. Louis

Crowne Plaza - St. Louis Airport

1-314-291-6700

11228 Lone Eagle Drive

St. Louis, MO 63044

August 31, 2006 – Jefferson City

Governor Office Building

Room 450

200 Madison Street

Jefferson City, MO 65101

September 28, 2006 – Kansas City

Holiday Inn - Sports Complex

1-816-353-5300

1st Base

4011 Blue Ridge Cutoff

Kansas City, MO 64133

October 26, 2006 – Jefferson City

Elm Street Conference Center

1738 East Elm Street

Lower Level

Roaring River Conference Room

Jefferson City, MO 65101

December 7, 2006 – Jefferson City

Elm Street Conference Center

1738 East Elm Street

Lower Level

Roaring River Conference Room

Jefferson City, MO 65101

K. Discussion of Pending Litigation and Legal Matters

Tim Duggan

(This portion of the meeting may be closed, pursuant to Section 610.021 (1), RSMo, after a vote by the Commission.)

L. Meeting Adjournment

Jack Baker

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MINUTES
MISSOURI AIR CONSERVATION COMMISSION
Elm Street Conference Center
Roaring River Conference Room
1738 East Elm Street
Lower Level
Jefferson City, MO 65101
March 30, 2006
9:00 a.m.

Commissioners Present

Jack Baker, Chairman
Mark A. Fohey, Member
Michael Foresman, Vice-Chairman
Mark S. Garnett, Member
Kevin L. Rosenbohm, Member

Staff Members Present

Darcy Bybee, Compliance/Enforcement Section, Air Pollution Control Program (APCP)
Jason Dickneite, Permits Section, APCP
Nicole Eby, Compliance/Enforcement Section, APCP
Steve Feeler, Compliance/Enforcement Section Chief, APCP
David Gilmore, Commission Secretary, APCP
Jim Kavanaugh, Director, APCP
Randy Kixmiller, Water Protection Program
Jeanne Kozak, Permits Section, APCP
David Lamb, Operations Section Chief, APCP
Sarah McMichael, Public Information Specialist, APCP
Bruce Martin, Field Services Division
Kyra Moore, Permits Section Chief, APCP
Leanne Tippet Mosby, Deputy Director, Division of Environmental Quality
Paul Myers, Operations Section, APCP
Brian Newby, Compliance/Enforcement Section, APCP
Gus Ralston, Kansas City Regional Office
John Rustige, Operations Section Chief, APCP
Todd Schneider, Compliance/Enforcement Section, APCP
Missy Seeligman, Program Secretary, APCP
Lucy Thompson, Director's Office, APCP
Sara Veasman, Compliance/Enforcement Section, APCP
Wendy Vit, Operations Section, APCP
Nicole Voyles, Permits Section, APCP

Others Present by Attendance Record

Mark Adams

Amy Algoe-Eakin, Environmental Protection Agency (EPA) Region VII

Ken Anderson, Ameren

Don Backfisch, Noranda Aluminum, Incorporated

John R. Barsanti, Armstrong Teasdale, LLP

Chad Ben, Washington University Interdisciplinary Environmental Law Clinic (IELC)

Joe Bindbeutel, Attorney General's Office (AGO)

Ron Boyer, Springfield - Green County Health Department

Bruce Brown, MOARK

Robert Brundage, Newman, Comley & Ruth P.C.

Bill Bryan, AGO

Rolf Christen

Kathrina Donnegan, St. Louis County Air Pollution Control

Tim Duggan, AGO

Sue Ehrhardt, St. Louis County Air Pollution Control

Dave Fraley, City Utilities of Springfield

Dan Haas, Kansas City Power and Light

Tyler Harris, City of St. Louis Air Pollution Control

Garrett Hawkins, Missouri Farm Bureau

Maxine Lipeles, Washington University IELC

K. Miller, Washington University IELC

Marty Miller, Newman, Comley and Ruth

Joel Mosher, Shook, Hardy and Bacon

Matt Murphy, Washington University IELC

Douglas Neidigh, Springfield Air Quality Control

Norb Plassmeyer, Osage Solutions, LLC

Catherine Reid, Kansas City Department of Health

Chris Schreiber, Schreiber Engineering, LLC

David Shorr, Lathrop and Gage

Tom Siedhoff, Mississippi Lime

Terry Spence

John Swanson, Omnium

Hugh Vogel, MOARK

Roger Walker, REGFORM

A. Call to Order

Chairman Jack Baker called the March 30, 2006, meeting of the Missouri Air Conservation Commission to order. Chairman Baker noted the following commissioners were present: Kevin Rosenbohm, Mark Fohey, Jack Baker, Mike Foresman and Mark Garnett.

B. Minutes, February 2, 2006, Meeting

Vice -Chairman Mike Foresman moved to approve the minutes as written. Commissioner Kevin Rosenbohm seconded the motion, and all commissioners voted to approve the minutes.

C. Reports - The following referenced reports are in the March 30, 2006, Missouri Air Conservation Commission Briefing Document.

1) COMPLIANCE/ENFORCEMENT

Mr. Steve Feeler addressed the commission and stated there were two months of complaints to present to the commission. The Complaint Report Summary begins on Page 55 for January 2006. There were 162 complaints received and the majority were odor complaints related to Renewable Environmental Solutions (RES), MOARK and Premium Standard Farms (PSF). There were 111 investigations and 13 Notices of Violations (NOVs) were issued. The February 2006 Complaint Report Summary begins on Page 87. There were 74 complaints received for February 2006 with 44 of those being odor complaints. There were 42 investigations conducted with no NOVs issued.

The Settlement Report begins on Page 103 of the briefing document. Mr. Feeler noted that Pages 103 through 105 lists those cases where the program has reach an agreement in principle and is awaiting signatures from the parties involved. Pages 106 through 107 are cases that are being negotiated. Page 108 lists those cases that are on referral at the Attorney General's Office (AGO) awaiting a resolution.

Vice-Chairman Foresman stated that the majority of the cases were open burning. He stated that he knows staff has worked to communicate with the public the exact open burning rules. Vice-Chairman Foresman inquired as to how the program is progressing on educating the public about open burning.

Mr. Feeler replied that the program sends out approximately five or six information letters every day. Some are sent to fire departments and municipalities. Many are sent to individuals. The program is constantly trying to get the word out to anyone that will listen about open burning.

Vice-Chairman Foresman asked Mr. Jim Kavanaugh to address the commission, during his report, on where the program stands in regards to the Open Burning Work Group.

2) PERMITS

Ms. Kyra Moore referred the commission to the Permit Reports beginning on Page 109. In the month of January, the program received 63 construction permit projects and 28 operating permit projects. For the month of February, the program received 55 construction permit projects and 57 operating permit projects.

The Permit Applications Completed Report begins on Page 128. In January, the program completed 44 construction permit projects and 16 operating permit projects. In February, the program completed 50 construction permit projects and 24 operating permit projects.

Ms. Moore stated the Permits Section has been short on operating permit staff. The program has hired one person and another is starting on Monday, April 3, 2006. However, the construction permit unit lost two permit writers.

Ms. Moore referred the commission to the Operating Permit Progress Report beginning on Page 145. There are five Part 70 operating permits on public notice. They are: Smurfit Stone Container in North Kansas City; Springfield Sanitary Landfill; Macon Municipal Power Plant; Biokyowa in Cape Girardeau; and the Meramac Group.

There are also five Acid Rain Permit Renewals on public notice. They are for five power plants: Two are for Kansas City Power and Light (KCP&L) - Hawthorn; one is for KCP&L - Iatan; Aquila Sibley Plant; and the Owensville Power Plant.

Ms. Moore stated the program has received a lot of questions on the Doe Run Herculeanum operating permit. The program issued a draft operating permit approximately a year ago and is in the process of finalizing that draft permit along with its response to comments. The permit is in its final stages and will be ready for final approval very soon.

The program issued a construction permit for a gas-fired peaking station in Peculiar, Missouri to Aquila approximately one year ago. Aquila had some outstanding issues with the county regarding zoning. The Cass County Circuit Court ruled that because of lack of zoning approval, Aquila had to shut down the facility by May 31, 2006. Aquila is working with the Public Service Commission (PSC) to get approval for operating the plant. Ms. Moore said the PSC will hold a public hearing in Harrisonville. After that there will be hearings on the case from April 26 - 28, 2006 and from May 1 - 5, 2006. If the PSC rules that zoning is approved, then Aquila will keep the plant. Otherwise, Aquila will tear down and remove the plant by May 31, 2006.

The department issued a construction permit to KCP&L for an additional coal-fired boiler at the Iatan facility on January 31, 2006. An appeal was received to that permit on March 2, 2006. The appeal is going through the Administrative Hearing Commission (AHC). This is the first appeal the program has received since the regulations changed that require appeals to go to the AHC. The attorneys for all sides are working to schedule a hearing and gather depositions.

The program issued a permit to Holcim Ste. Genevieve cement plant in June of 2004. Holcim held their ceremonial ground breaking Friday, March 24, 2006. There is a lot of renewed press on that project. Program staff visited the site two weeks ago to check on the progress of construction. Holcim is doing a lot of work. They do not anticipate starting operation until 2008 or 2009, but they are well underway with the harbor construction and building the dam.

Final permits are now available on the Web. As of March 29, 2006, thanks to Ms. Sarah McMichael, a new Web page is available that lists all of the programs operating permits, except for basic permits, and construction permits. All permits issued since January 1, 2006 are available on the Web. The program will post older permits as time and staff allows.

Vice-Chairman Foresman inquired how the permits were referenced.

Ms. Moore replied the permits are referenced alphabetically by facility name. Due to the limited resources and funding of the program, the Web page is not a searchable page. The Web page lists the date the permit was issued and whether it is a construction or operating permit. The Web site also details who to call if the permit that is being searched for is not there or an attachment is not available.

3) OPERATIONS

Mr. Kavanaugh introduced Mr. David Lamb as the new Operations Section Chief. Mr. Lamb was formerly the Director of Schools and Government Program at the Energy Center. Prior to that, he worked in the Compliance/Enforcement Section as the Asbestos Unit Chief in the Air Pollution Control Program. He also worked in the Hazardous Waste Program.

Mr. Kavanaugh referred the commission to the three Operations reports beginning on Page 147 with the Rules and State Implementation Plan (SIP) Agenda. The Rules and Progress Schedule begins on Page 163 and the Air Quality Status Report begins on Page 165.

Mr. Kavanaugh noted that no Public Hearing was scheduled for this commission meeting and there was one action item for the commission to vote on after the response to comments were presented. Mr. John Rustige would be giving a status update on the St. Louis SIP Process. The first element of that SIP, the 2002 Base Year Emission Inventory is due to be submitted to EPA in June.

4) DIRECTOR'S REPORT

a) Open Burning Task Force

In response to Vice-Chairman Foresman's request, Mr. Kavanaugh updated the commission on the Open Burning Workgroup. The Open Burning Workgroup is finalizing the proposed rule that consolidates the state's existing four area specific open burning regulations into a single rule. The single rule attempts to standardize the open burning regulations across the state and make the regulation easier to understand and enforce. The rulemaking proposal will be sent through the Department of Natural Resource for review and concurrence in the next few weeks. Filing is tentatively scheduled for October 2006.

b) Proposed Fiscal Year 2007 Budget

The President announced his proposed fiscal year 2007 budget last month. His proposed budget would cut 16 percent across the nation for state and local air programs. That is a very significant reduction for the program. That equals approximately nine FTEs.

Several national associations, such as the Environmental Council of the States and the State and Territorial Air Pollution Program Administrators, are working with Congressional appropriation committees to raise awareness of the consequences of such drastic reductions and the impact to the states ability to maintain core mandate activities, like SIP development, permitting, monitoring and compliance.

c) Blue Skyways Collaborative

The Blue Skyways Collaborative is an initiative sponsored by EPA Region's VI, and VII in conjunction with nine central states; Minnesota, Missouri, Kansas, Oklahoma, Iowa, Nebraska, Louisiana, Arkansas and Texas. This initiative focuses on diesel retrofitting, renewable energy, and energy efficiency projects throughout the region. States and EPA are exploring ways to initiate voluntary programs to achieve air emission reductions. Some other areas of the country have focused on biofuels, ethanol, retrofits of diesel engines and off-road and on-road vehicles. Blue Skyways is unique because it also includes renewable and energy

efficiency measures. An example of a measure that could produce dual benefits are the railyards in Kansas City or St. Louis. Large diesel engines are typically used when railcars are moved around a rail-yard. However, some areas of the country now use electric powered engines or smaller diesel engines to position railcars. These methods save fuel and reduce emissions. Some Houston airports have implemented a policy where airplanes must use one engine to taxi on the runway, as opposed to using multiple engines. Again, this saves fuel and reduces emissions.

Approximately 80 participants attended the kickoff meeting February 15 and 16, 2006 including the EPA, the Department of Defense, the Department of Energy, the Federal Aviation Administration, state and local officials, railway and airport managers, environmentalists, and companies like John Deere, Wal-Mart and Caterpillar.

d) Boards, Commissions, Councils and Committees Directory

The department recently completed a Boards, Commissions, Councils and Committees Directory. An online copy of this directory can be found at <http://www.dnr.mo.gov/pubs/pub2180.pdf>.

e) Staffing Update

Personnel staffing and turnovers continue to be a problem. As Ms. Moore mentioned, as the program hires new staff, it seems to lose approximately the same number, keeping the program basically at the same staffing level.

Ms. Sarah McMichael, the program's Public Information Specialist, is transferring to the Water Protection Program. She has been a great asset to the program and she will be missed.

5) ST. LOUIS OZONE AND PM_{2.5} SIP DEVELOPMENT STATUS

Mr. Rustige presented an update to the commission regarding St. Louis Ozone and PM_{2.5} SIP development status. His presentation begins on Page 199 of the briefing document.

Commissioner Mark Fohey inquired as to what effect the Governor's proposal to require ten percent ethanol and five percent biodiesel in fuels may have on St. Louis ozone formation.

Mr. Rustige replied that there is reformulated gasoline in the non-attainment area in St. Louis. A lot of that gasoline already has ethanol in it. Out state, if there was more ethanol its effect would be mixed. There are more evaporative

emissions associated with ethanol, but it burns cleaner. The good news is, the farther away it is from St. Louis, the less that affect really has on the non-attainment area. He didn't believe it was very sensitive in St. Louis to the decision either way.

Commissioner Fohey inquired about the addition of ethanol, and asked what effect this had related to emissions.

Mr. Rustige replied that he thought it was a mix. It burns cleaner in the engine, but it also changes the evaporative qualities of the fuel. It increases the evaporation of the gasoline so there are more emissions from gas tanks, refueling, and evaporative emissions from cars. On the other hand, it does burn a little cleaner. He has not seen any studies specific to ozone formation that show that there is a net benefit or not.

D. Unfinished Business

Mr. Feeler noted that Ms. Camille Dobler had planned on making a presentation concerning the MOARK facility. However, Ms. Dobler was ill and was unable to attend the meeting.

Mr. David Shorr addressed the commission. Following is a summary of his comments:

Mr. Shorr introduced himself as being with the lawfirm of Lathrop and Gage and as representing MOARK, with regard to specific environmental issues on their campus. Mr. Shorr presented to the commission some photos that had been provided to Ms. Dobler for her presentation.

Mr. Shorr stated that MOARK has had very good communication on most of its issues with the department, in terms of running through contentious and non-contentious issues throughout this process. The process is heavily invested on the water pollution control side. Mr. Shorr noted that he asked Mr. Hugh Vogel of MOARK to give a presentation regarding some of the things at MOARK. Both he and Mr. Vogel would be available for questions after the presentation. Mr. Shorr stated that Mr. Vogel is responsible for bought byproducts in the operation. There is the layer side and the production side. And then there is the waste side with regard to how this facility operates. Mr. Vogel is responsible for those for MOARK's egg-laying facility.

Mr. Hugh Vogel addressed the commission. Following is a summary of his comments:

Mr. Vogel stated that MOARK is in the process of upgrading and consolidating some of its odor operations in Southwest Missouri. MOARK has been in that region since the late 1950s. It has been at its present location since the mid 1960s. MOARK markets eggs

through that location to 20 different states and is in the shell egg business. There is a closed conveyor system that conveys litter into a long shed with open ends at MOARK's Hathaway Project. So far, MOARK has not used that building for any storage. Instead, it has loaded the manure directly onto trucks and sends it to farms for fertilizer. Even though it is a no discharge site, MOARK does test storm-water runoff. MOARK has several different sites that are required in its permit for ammonia nitrogen. It transports all of its litter to crop areas and sells it for fertilizer to farmers. All of MOARK's other egg-wash wastewater is sent to the City of Neosho water treatment plant. It doesn't have any lagoons or discharge of that nature, other than to water treatment facilities. MOARK's Class IA Confined Animal Feeding Operation (CAFO) is supposed to be set back 3,000 feet from inhabited structures. The circles on the picture are that setback distance from the composting facility in the New Hathaway project (See Appendix A).

Part of MOARK's issue is to build new chicken houses and close out its older facilities. The School Farm and Meadows Farm will be closed in 2007.

Fort Crowder is a National Guard camp and there are no people in that area. The first inhabited structure is Crowder College. There is also a farmhouse, which is about two miles away. The object in the Hathaway Project is to come out with dryer manure. When manure leaves the hen it is about 78 percent moisture. Through closed house tunnel ventilation, the movement of air-dries the manure to around 55 percent moisture. In MOARK's new facility there are air dryers located in each corner of the building that run 24 hours a day, 7 days a week, 365 days a year. Air is constantly blown through ductwork to dry the manure on the belts.

A litter sample taken from the Meadows Farm had a concentration of 19 pounds per ton of ammonia nitrogen, which creates a lot of odor, with a 75 percent moisture content. With the new technology of the Hathaway Project, the ammonia nitrogen concentration was reduced to five pounds per ton with a 37 percent moisture content.

The last slide explained the Hathaway litter. The litter was mostly organic nitrogen, which is a slow release nitrogen and a stable product.

MOARK planted a tree barrier shelter-belt on the roadside of the Hathaway project in front of the FAB building. They were six-foot trees.

There is a weather station and odor monitoring that MOARK currently does with a scentometer on all sides of the facility of the Hathaway FAB facility. Missouri Southern State University (MSSU) does that on a random basis, twice a week, as a part of MOARK's permit condition. MSSU is putting together air monitoring equipment in a trailer to monitor hydrogen sulfide and ammonium nitrate.

Chairman Baker inquired if the manure had to be moved out of the area because of too much phosphorus.

Mr. Vogel responded that the manure is moved out of the area because of that agreement with phosphate.

Chairman Baker inquired how far out it is moved.

Mr. Vogel responded that it is transported between 50 to 70 miles to farm ground. It is a workable situation for MOARK since they need a lot of acres to spread. MOARK has agreements with farmers in that area. It sells the phosphate and receives corn in return.

Chairman Baker inquired how much phosphorus is allowed.

Mr. Vogel replied that MOARK's permit allows them 120 pounds of elemental phosphate, but that's if they apply in the 303D watersheds.

Chairman Baker inquired if that was per year.

Mr. Vogel responded that it was a benchmark. In crop ground, MOARK is not restricted to that amount. MOARK doesn't apply to that rate in crop ground. It's just a condition of the permit in the Elk River or 303D watershed.

Vice-Chairman Foresman asked Mr. Shorr to go into a little more detail on the air monitoring by MSSU.

Mr. Shorr stated that there were two aspects that they have been discussing with the department. The first is modification is to the odor control plan, which is required by a permit condition in the water permit. MOARK has presented to the department an increase in olfactory monitoring frequency, whereby MSSU will provide third party independent monitoring as required by the permit at its facility. As it applies to Hathaway and those portions of the facility, all the areas regarding Hathaway, all the activities have been increased 100 percent consistent with our discussions with the department, in terms of scentometer testing.

As part of an agreement with the Director of the department, MOARK agreed to a voluntary research project. The research project is intended to see if there are correlations with regard to hydrogen sulfide and ammonia at MOARK's facility and scentometer readings. MSSU will be contracted with an order to carry that out. They will correlate it with their scentometer analysis to compare the data with regard to that aspect. As a direct result of the time frames in the permit, both of those are six-month projects.

Vice-Chairman Foresman inquired if the air drying of the litter was controlled.

Mr. Shorr replied that it is not controlled. It is a standard air movement system.

Vice-Chairman Foresman stated that MOARK was just diluting it down with high volumes of air.

Mr. Shorr replied that the entire facility is enclosed. The better picture, that would be more affective, would be to compare this system and strategy to the existing wet-handling system and strategy.

Vice-Chairman Foresman noted it would be helpful to see a process flow diagram.

Mr. Shorr stated that the existing technology is typical in the former industry. The buildings are open sided and there are laying operations inside. The buildings themselves contribute to the load, in terms of both air and water. The material is generally handled in its liquid form. The material is scraped underneath the buildings and then it is loaded.

With discussion and approval from the department on the water side, MOARK built a facility, referred to as the FAB facility, to compost the material with other organic materials such as straw, waste wood and sawdust to make a dryer material. That is the current process. As a direct result of that process, there are considerable amounts of odor. A major portion of this effort is to eliminate both water risks and odor risks and increase containment and security. All of those are handled by that aspect. It also helps control, with regard to our infection control aspects and biosecurity, with regard to the facility.

Vice-Chairman Foresman stated that the biosecurity of a facility is a bigger issue these days. Vice-Chairman Foresman inquired if that was the reason why they have gone to closed systems.

Mr. Shorr replied it is a combination of various pressures that are building on the industry as a whole. Many of his egg-laying clients are going to closed-style buildings. MOARK's system a little more aggressive than some of the others.

Vice-Chairman Foresman inquired when the modifications would be completed.

Mr. Shorr responded that it is dependent in large part on the department. The way the permit is structured, MOARK has been authorized to build a certain number of buildings. Then it is required to wait and get some data for six months. Then it will be allowed to build more buildings, provided there is consensus on the data, and then wait another six months. And then provided there is consensus on the data, MOARK will get the opportunity to finish out. This strategy will just lengthen the process and the problem. That is a decision they have made. MOARK is working with the department on that decision in order to try and move forward.

Commissioner Fohey inquired how the new buildings are going to be different from what MOARK has now.

Mr. Shorr replied that the buildings are not open to the air. MOARK will not be working a liquid product. The manure is already dry when it reaches the manure handling building. Whereas right now, MOARK has a scraping system and it is handling wet manure throughout the system. Wet manure volatilizes ammonia faster. Instead, when the manure is dried, it is captured as an organic form. It increases the quality of material that MOARK provides to the farmer, in terms of its fertilizer content, and reduces the volume of volatiles that are generated from its operation. The whole operation is a tighter operation. The Water Protection Program is driving a large portion of these issues. It lowers MOARK's risk, with regard to the contamination of water quality and it gives MOARK greater controls. It puts them in a dry litter format, which is more favorably received by the Water Protection Program and continues to progress MOARK in another step towards a more advanced strategy.

Commissioner Fohey inquired if there was another system in operation similar to this.

Mr. Shorr replied that MOARK operates a similar facility in Colorado. All of the layer operations are progressing towards dry handling versus wet handling. Wet handling is not a positive operation in the longer period with the way the environmental regulations are structured. The industry is making an effort towards phasing out wet handling operations, as their useful life has terminated. MOARK's is being more aggressive. They have decided they are going to convert as part of this project. He would like to see that conversion take place quicker and not slower. However, he understood the regulatory structure that they are going through.

Commissioner Fohey inquired if there is a system in Colorado that is going to be just like what MOARK is going to build.

Mr. Vogel said the facility has been there since 1996 or 1997.

Commissioner Fohey asked how it was going to work.

Mr. Vogel responded that it would generate the same product.

Mr. Shorr noted that department staff have been to Colorado and have been in the new building. One of the reasons why MOARK wanted Ms. Dobler to attend the commission meeting was because she was there to see the buildings and their operation.

Vice-Chairman Foresman inquired what changes have occurred in the last six months that would cause the large number of complaints about odors from MOARK.

Mr. Shorr responded that the bulk of the complaints exist between November and January of the last quarter, which directly coincided with the issuance of the permit.

Vice-Chairman Foresman inquired if MOARK had made any facility changes.

Mr. Shorr replied that MOARK went to more dry operations during that period by phasing on the first buildings.

Chairman Baker inquired if MOARK's compost pile was in the open.

Mr. Shorr responded that the compost is under a covered building. There is no contact with storm water. That building has been temporarily taken out of service while MOARK discusses the issue with the department.

Chairman Baker asked what MOARK was doing with the manure.

Mr. Shorr replied that they are handling wet manure directly to the fields.

Chairman Baker inquired if that would increase the odor.

Mr. Shorr responded that it might potentially increase the odor.

Chairman Baker inquired if that might be the reason MOARK has more complaints right now.

Mr. Shorr replied that he did not think that was the reason why MOARK was receiving more complaints. The position of the FAB building has been a problem. That is part of the reason why MOARK is going through this exercise. MOARK wants to eliminate that step. That step produces complaints. It's in MOARK's favor to go forward.

Chairman Baker commented that he used some of it at one time. It does have an odor to it, even when it is spread in the fields, unless it is dried. If MOARK is not drying it, he could see why there would be more complaints.

Vice-Chairman Foresman inquired if MOARK's intent was to go to an all dry operation.

Mr. Shorr responded that MOARK intends to go all dry if permitted to do so. This facility has not had a violation for the last seven years, with regard to compliance with the program and the rest of the department. MOARK has been dealing with the program on a violation regarding the FAB building, which is MOARK's compost facility. MOARK has temporarily taken it off-line in order to properly discuss that violation with the department.

Mr. Shorr noted that the number of birds increased is eight percent of the total flock that is operated by MOARK. It is not 50 percent or 80 percent. In order to build these kind of new buildings, which will cost in excess of \$30 million, there has to be some increase in order to justify the expenditure. MOARK is getting a minor margin, which is going to help pay for the changes in improvements and amortize the debt.

Chairman Baker inquired how many birds it would be.

Mr. Shorr replied that it would be 3.2 million birds total when it is built out. Which, based on how MOARK operates, is basically one building.

Mr. Shorr also wanted the commission to understand that MOARK, from a standpoint of violation history regarding both air and water, has not had a violation until January. MOARK believes the dry handling facilities would further reduce risks, with respect to these issues.

E. Public Hearing

None.

F. Recommended for Adoption or Actions to be Voted on

Ms. Wendy Vit presented comments and responses to 10 CSR 10-6.061 Construction Permit Exemptions. Information on the amendment begins on Page 149 of the briefing document.

Vice-Chairman Foresman inquired, "How you correlate storage capacity with throughput. Is that part of the issue?"

Ms. Vit said that is part of the issue. She said the suggestion from Missouri Ag Industries Council (Mo-Ag) was not only to increase the exemption level, but move from a storage capacity basis to the annual throughput basis. In considering that, she thought the program would like to have a better understanding of the emission impacts in the immediate vicinity of these facilities and the short-term impacts, for instance on a 24-hour basis.

Vice-Chairman Foresman said that in looking through the rule, his take on it was that these regulated smaller facilities, individual farms and such rather than the large grain coops, etc.

Ms. Vit said these would generally be the smaller facilities. Ms. Vit emphasized that everyone involved made a good faith effort to reach an agreement. Mo-Ag and permit staff put in a significant amount of time in doing the research and calculations. Unfortunately, not all of the issues were resolved within the timeframe.

Vice-Chairman Foresman said that was fine. It seemed that three million throughput at a small farm seemed like a lot of corn. The commission would learn more the next time it was brought back to them.

Commissioner Rosenbohm asked if there was a scheduled time when the revision time might be coming up.

Ms. Vit replied that the specifics were not discussed of when and how that would occur.

Mr. Kavanaugh noted there is no schedule or timeline at this point, but the program wanted to continue these discussions with Mo-Ag, EPA and others that are involved. Once the air concerns can be resolved the program can start the process for the rulemaking.

Commissioner Rosenbohm inquired if the rule could be amended at a later time if a consensus could be reached on the technical numbers.

Mr. Kavanaugh replied yes.

Mr. Robert Brundage said Mo-Ag is ready to start working on it again as soon as possible.

Commissioner Fohey moved to adopt the recommendation on 10 CSR 10-6.061. Vice-Chairman Foresman seconded the motion, and all commissioners voted to amend the rule as recommended by the department staff.

G. New Business

a) Attorney General's Office Referrals

Mr. Feeler presented a referral request for Hance Excavating. Information on the proposed referral begins on Page 187 of the briefing document.

Chairman Baker inquired if anyone from Hance Excavating or anyone representing the company was present.

No one responded.

Vice-Chairman Foresman moved to refer Hance Excavating to the AGO. Commissioner Fohey seconded the motion. All commissioners voted for referral to the AGO.

Mr. Feeler presented a referral request for K & R Wood Products, Incorporated. Information on the proposed referral begins on Page 189 of the briefing document.

Chairman Baker inquired if anyone from K & R Wood Products, Incorporated or anyone representing the company was present.

No one responded.

Commissioner Fohey moved to refer K & R Wood Products, Incorporated to the AGO. Vice-Chairman Foresman seconded the motion. All commissioners voted for referral to the AGO.

Mr. Feeler presented a referral request for John Cavanaugh Construction, LLC. Information on the proposed referral begins on Page 191 of the briefing document.

Chairman Baker inquired if anyone from John Cavanaugh Construction, LLC or anyone representing the company was present.

No one responded.

Vice-Chairman Foresman moved to refer John Cavanaugh Construction, LLC to the AGO. Commissioner Garnett seconded the motion. All commissioners voted for referral to the AGO.

Mr. Feeler presented a referral request for National Petroleum Products, Incorporated. Information on the proposed referral begins on Page 193 of the briefing document.

Chairman Baker inquired if anyone from National Petroleum Products, Incorporated or anyone representing the company was present.

No one responded.

Commissioner Fohey moved to refer National Petroleum Products, Incorporated to the AGO. Vice-Chairman Foresman seconded the motion. All commissioners voted for referral to the AGO.

b) Necessity Findings

Mr. Kavanaugh apologized to the commission and to MOARK representatives that Ms. Dobler was not in attendance to present the MOARK presentation. It was unavoidable. It would have been beneficial to have heard her presentation. If it is agreeable, the program can ask Ms. Dobler to attend the next commission meeting.

Commissioner Fohey said he would like for her to attend the next commission meeting.

Chairman Baker said it would be on the agenda.

Mr. Kavanaugh confirmed that the program would invite Ms. Dobler to attend the next commission meeting.

The Necessity Finding was for rule 10 CSR 10-6.110, which is commonly referred to as the Fees Rule. By state statute, the commission has to establish a per ton emission fee by rule annually. To allow the program sufficient time to process the administrative rulemaking, the Necessity Finding was being presented before the commission at this time. The program asked the commission to determine or find that it was necessary for it to move forward so it could start the administrative process. The July 20, 2006 commission meeting is the target date to present at public hearing. The program does not have all of its revenues and expenditure projections together yet due to emission fees for last year are just coming due on April 1, 2006. However, over the next month or so the program will have that information and the program will present all that information to the commission. The program will also be working through the Air Program Advisory Forum as it has the past several years to present its financial projections.

Last year the program adjusted the date when fees are due and when Emission Inventory Questionnaires are due for some industry. This year the program will attempt to adjust the remaining industry due dates to allow all to be on the same schedule. This will put the program's revenues more in line with the state fiscal year.

Vice-Chairman Foresman moved to approve the Necessity Finding for 10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information. Commissioner Rosebohm seconded; all commissioners voted to approve the finding.

H. Appeals and Variance Requests

Mr. Feeler presented an update to the commission on the RES appeal. The department issued a Cease and Desist Order to RES on December 29, 2005. Subsequently, on January 27, 2006 RES filed an appeal with the Missouri Air Conservation Commission (MACC) and the Administrative Hearing Commission (AHC). The program has worked on some requests for the production of documents on that issue. The program has also had some interrogatories that it has worked on answering with the Attorney General's Office (AGO). Mr. Bill Bryan from the AGO was present and gave the commission a little more perspective on the legal part of it.

Mr. Bill Bryan addressed the commission. Following is a summary of his comments:

Mr. Bryan introduced himself and stated that he was with Attorney General Nixon's Office. He is handling the RES appeal that is pending before this commission and the AHC. The AGO has worked with the department on answering some discovery, but right now with the agreement of RES, the AHC has issued an order holding the appeal in front of it in abeyance. This means that the AHC is not going to take any further action on the merits of the appeal at this time because there may not be any need to do so.

Mr. Bryan stated that although RES appealed the order to protect their legal rights, they also attempted to comply with the order. If the department finds that RES complied with the order, then there won't be any need to expend the resources to have a hearing, finish the discovery, and litigate the legal issues that are involved in the appeal. That is where the appeal stands. The department is evaluating whether or not RES has complied with that order and whether or not there is a need for further action. Mr. Bryan said he expected a decision from them soon. He also stated that soon, the AHC will get a report, presumably from RES, that the department has blessed the work that they've done and found that they've complied with the order, or not. In which case, he would expect the AHC will dismiss the appeal and no further action would be needed.

There is some question, however, as to whether the appeal should be before the MACC or directly in front of the AHC. The law was passed or changed last year to send appeals to the AHC and then back to the MACC. The distinction was that some of the relief in that Cease and Desist Order was premised under another statute that talked about the MACC having the power to countermand the order of the Director. It didn't use the word "appeal", which is what was used in the General Assembly's new legislation. The question is, "Should this body actually determine the case, or is it appropriate for the AHC to do so?" That is an open question. The AGO did not know the answer.

Mr. Bryan said there are a couple of ways the commission could proceed. He recommended the MACC ask the AHC to determine what their jurisdiction is to hear this case. Before any body, commission, or court rules on a matter, they have to determine that they have jurisdiction. If the AHC looks at this, they may ask for briefs from the parties or they may ask the commission for its opinion on who should hear the appeal. But then there would be an independent, impartial legal body deciding how these matters, if they come up in the future, should be decided. "Do they go directly to the MACC, or do they go to the AHC?" Mr. Bryan stated that is what he thought the General Assembly had in mind. There is a question of, "Do we do that now and get it out of the way in case we do need to litigate this so we don't have to waste time with that jurisdictional question later, or do we wait 30 days and see what happens?" Mr. Bryan thought it would be better to go ahead and get it out of the way now. It would be a minimal investment of resources. It is an important question institutionally for the AGO in case other orders like this are issued. The AGO and regulated parties would want to know if they have to file

an appeal with the MACC or with the AHC, instead of going through the time and expense of filing with both bodies.

Mr. Mosher was present at the meeting on behalf of RES. Mr. Mosher and Mr. Bryan talked about the issue. Mr. Mosher's view was that the commission should table the matter until its April meeting to decide whether or not to ask the AHC to rule on it. Mr. Bryan disagreed. He stated that he thought the MACC should go ahead and do it now. Mr. Bryan said the decision was up to the MACC. The MACC could take no action, or it could say it wanted to ask the AHC now to find out if it needed to do something with this appeal or if the AHC needed to be doing something with it. That was an update on the appeal.

Vice-Chairman Foresman inquired if this issue was limited only to the MACC, or if it would have broader implications for appeals to other commissions.

Mr. Bryan replied that with the particular clear and present danger kind of language, that is the only time it would come up was with the MACC.

Vice-Chairman Foresman verified it was strictly limited to the MACC and not other commissions.

Mr. Bryan replied correct. There may be similar statutes and provisions in other commissions, but not the same as what the MACC has.

Vice-Chairman Foresman inquired if the AGO could ask the AHC for their ruling without involving the MACC. It appeared to be a procedural matter.

Mr. Bryan replied that the AGO could do that. The AGO wanted to make sure the MACC was aware the issue had been raised between the department and the AGO. It was unusual that an appeal was filed in front of the MACC and the AHC. Both appeals are verbatim except for the caption at the top of the case. The parties wanted to make sure that was done correctly. The AGO can certainly bring that up.

Vice-Chairman Foresman said it appeared that it was a procedural matter that the AGO's office could decide if they represent the MACC.

Mr. Bryan replied that as long as the MACC doesn't have a strong feeling that this should be decided by the MACC rather than the AHC.

Vice-Chairman Foresman said he thought the issue was, "Does the AHC have jurisdiction or does the MACC?"

Mr. Bryan said that Vice-Chairman Foresman was correct.

Vice-Chairman Foresman inquired if the AHC or the MACC would decide jurisdiction.

Mr. Bryan replied that that too is an unanswered question. The MACC has the authority to determine its own jurisdiction. He thought the best way would be to ask the AHC to do it. Mr. Bryan said that the MACC could decide a different way and it would be sorted out in a court of appeals.

Commissioner Rosenbohm said that this had arisen because of the legislation on the referrals. He inquired what the legislature's intent was.

Mr. Bryan said he thought the legislature's intent was to require all of the decisions of the department to be reviewed by the AHC in the first instance. He thought that would be the ultimate decision.

Commissioner Rosenbohm inquired what the protocol would be on the final decision.

Mr. Bryan replied that if the department makes a decision to deny or grant a permit that doesn't have the appropriate conditions, or issues an order like this that someone needs to challenge, he thought they would file that appeal with the AHC. Then the AHC would conduct a hearing and would make a recommended decision to the MACC, who then would review it, bless it, or make and explain changes to the recommended decision. Ultimately, it would come back to the MACC either way. He thought that was what the General Assembly had in mind.

Chairman Baker asked if anyone felt like making a decision at this time.

Vice-Chairman Foresman stated that he did not have a problem with the AGO asking the AHC if they have jurisdiction.

Chairman Baker said there was no reason to vote on the issue.

Vice-Chairman Foresman agreed.

I. Open Session

Mr. Mark Adams addressed the commission. Following is a summary of his comments:

Mr. Adams addressed the commission as a resident of Neosho, Missouri. Mr. Adams is a building inspector that works the four-state area and travels extensively in the area.

Mr. Adams stated that Mr. Shorr gave the impression that MOARK had worked with the department to construct the MOARK FAB compost facility. Initially, however, the FAB facility was originally built with no department permitting and no department engineering or oversight. This also included the lagoons adjacent to those facilities. Early in 2000,

George Parson's wrote up that there was no permitting. It went into a legal action with the AGO and there was a Settlement Agreement with a fine applied. MOARK initially built those lagoons without engineering, without permits and without working with the department. The lagoons are still in operation today.

On the evening of March 28, 2006, Mr. Adams passed by the MOARK facility. He was just East of the facility on D Highway when he experienced a very severe odor coming from one of the buildings. He was not sure which one. At 9 o'clock he called the Jefferson City number and gave his location. The person that answered the phone indicated there were other calls from the area.

Mr. Adams contacted Mr. Mark Rader the next day. Mr. Adams said that Mr. Rader had indicated that he knew the calls had come in. However, due to a time constraint with either a person or equipment, no odor samples were taken that night. Mr. Rader also indicated that nighttime sampling could only occur on Monday, Tuesday and Wednesday because of the CAFO air monitoring process that's in place. Mr. Adams stated that he thought the CAFO air monitoring process should be portable, useable in a faster timeframe, but also consistently throughout the week.

In the past, MOARK has indicated that the compost facility has been the source of some of the odor. Some of the residents felt like it was as well. If these facilities are shut down, then something else was the source of the odor.

There has been a lot of opposition and concern after the permit was issued for MOARK in November. As a result of odor sampling in December, the department issued an NOV for odor emissions. Part of the contention early on was to look at these systems in place without allowing a fast expansion. Part of the concern was that outside ambient air is brought into these chicken houses 24 hours a day seven days a week. Huge blowers blow the air over the chicken littler to dry it and reduce the ammonia. If the conditions are ideal, it does do that. However, Roggen, Colorado is at a high elevation with a very arid and dry climate so evaporation and evaporative cooling works more effectively and consistently.

The concern is that these buildings would not perform as indicated in this particular climate. The department has been asked to look at the buildings in operation before they decide to allow the expansion.

Because emissions occur at different times, the CAFO air monitoring process should be more consistent and available throughout the week. Emissions don't only occur on Monday, Tuesday or Wednesday night.

Mr. Matt Murphy addressed the commission. Following is a summary of his comments:

Mr. Murphy address the commission and introduced himself as a student attorney with the Environmental Clinic at Washington University School of Law. He was present on behalf of Citizens Legal Environmental Action Network (CLEAN), an organization of families concerned about odor and air pollution from the factory farms, or CAFOs, run by PSF. As the commission may know, in the mid 1990s PSF's hog operations underwent a rapid expansion in northern Missouri. Residents affected by these new, enormous neighbors became concerned about the CAFOs affects on their lives, their health, and on the environment. CLEAN was formed as a result of their concern and represents about 60 families that live near CAFOs. Present in the audience was Mr. Terry Spence and Mr. Rolf Christen. Mr. Spence is the President of CLEAN and is a farmer near PSF's Whitetail CAFO. Mr. Christen is also a farmer and an officer of CLEAN. He lives near PSF's Green Hills and Valley View CAFOs.

As the commission may be aware, CLEAN sent a letter to the department on January 6, 2006. The letter outlined CLEAN's concerns with PSF's swine CAFOs and asked the department to take certain actions. However, CLEAN received no response to the letter until approximately two months later, and only after it contacted the commission requesting a place on the agenda. The department's response did not address CLEAN's concern. As a result, CLEAN has come to the commission today. CLEAN feels that the department is not adequately monitoring and enforcing PSF's compliance with Missouri odor and air pollution standards.

PSF is a company with a history of odor complaints - an average of more than one every other day over the past few years. However, the department rarely investigates odor complaints from PSF's neighbors. Even when violations are found, the department provides little to no follow up. To the knowledge of CLEAN, the department has not requested any referrals of PSF's violations to the AGO, has not obtained any penalties for violations and has not required PSF to reduce its odor and air emissions. CLEAN members are frustrated that they continue to be assaulted by the odor and air emissions from PSF's CAFOs. CLEAN understands that the department has limited resources. With that in mind, they requested three things. The first involved monitoring for compliance with Missouri's pollutant specific regulations. The second involved Missouri's odor regulations. And the third was related to enforcement. Mr. Murphy stated that CLEAN members have suffered for too long as a result of PSF's operations and believed something different should be done.

CLEAN's first request was that the department conduct additional air quality monitoring of PSF's facilities at the property lines, specifically for hydrogen sulfide and particulate matter. CLEAN believed that this action was important for several reasons. First, CLEAN recognized that odor by itself is difficult to monitor because it is subjective and requires a human presence. Hydrogen sulfide and particulate matter are constituents of odor. Monitoring for them is not a substitute for odor monitoring, but it is an easier and

more objective method. Secondly, these pollutants are health concerns in their own right. That is why the state has ambient standards for them in the first place. Thirdly, given that existing hydrogen sulfide monitoring at PSF's Summerset facility has yielding violations there is reason to be concerned about air quality violations at other PSF facilities. Lastly, the management advisory team, created by the 1999 consent judgement between PSF and Missouri asked the department to conduct such monitoring in December of 2004. The department has yet to fill this request. The department has authority under Missouri regulations to require monitoring from all PSF CAFOs that have had an odor violation. In its March 3, 2006 response to CLEAN's letter, the department said it would reevaluate such monitoring. CLEAN asked that the commission to direct the department to conduct additional ambient air quality monitoring for hydrogen sulfide and particulate matter at PSF's CAFOs.

CLEAN's second request was that the department conduct additional odor monitoring in the vicinity of PSF facilities. CEAN would like the commission to direct the department to setup a temporary field office in northern Missouri, in order to respond in a timely and affective manner to citizens complaints of odors. According to the commission's briefing documents, during nearly a two-year period, from November 2003 to September 2005, the department received 466 odor complaints attributable to PSF facilities. Among these, the department conducted 17 on-site investigations of PSF facilities. One investigation was performed on the same day as the complaint of odor. Also, the department investigated nearly 85 percent of odor complaints related to non-PSF facilities. However, the agency investigated less than four percent of odor complaints related to PSF. The department's response to this information has been that the transitory nature of odors from CAFOs makes sampling very difficult. This is particularly true because the nearest department field office is approximately one hour from the nearest PSF facility. CLEAN recognized this difficulty. In response to CLEAN, the department suggested that it would prefer to investigate odors when the historical pattern of environmental conditions predicts that odor would occur. Unfortunately, it does not appear that such investigations are actually occurring at PSF facilities. Rather, the complaints of those living around PSF facilities seem to be rarely investigated. A temporary field office would help to remedy this problem by placing department personnel in the heart of PSF CAFOs and shortening the department's response time to odors. CLEAN encouraged the commission to direct the department to setup a temporary field office.

Third and last, CLEAN requested that the commission direct the department to implement more affective enforcement. Despite the lack of thorough monitoring, PSF facilities have garnered notices of excess emissions and notices of violations for odor and hydrogen sulfide. CLEAN recognized that the department is in the process of enforcing the most recent violations. CLEAN was also aware of the state's efforts under the consent judgement to require PSF to adopt next generation technology, which they hoped will someday result in reduced odor and air emissions. However, thus far, CLEAN has seen little evidence of affective enforcement and little evidence of reduced odors at their homes from next generation technology program. Consequently, there has been no improvement in the living conditions for CLEAN members and other PSF neighbors

since PSF moved in over a decade ago. More effective enforcement could increase the quality of life and health of CLEAN members.

In conclusion, CLEAN emphasized that their concerns include, but are by no means limited to, the nuisance of living daily in its smell of pig waste odor. Human health and well being are at risk. The pollutants emitted by PSF's CAFOs can cause serious respiratory problems, among other health concerns. This is a significant problem affecting Missouri citizens. CLEAN urged the commission to direct the department to increase monitoring of air pollutants and odor, and to affectively enforce violations.

Mr. Rolf Christen addressed the commission. Following is a summary of his comments:

Mr. Christen introduced himself as a farmer in Green City, Missouri. He lives four miles south and six miles north of production facilities for PSF in north Missouri. He was one of the people of that met and stood before the commission for the first time and complained about the odor infractions they have at their homes on a continued basis. The odor has not gotten any better at their homes within the last 10 years. They have filed complaints with the department continuously, almost every time. Still, by the time someone comes up from Macon, if they do come up, the odor is not found. There needs to be a system that is closer and can more immediately address the issues that are bothersome. His daughter went to the Post Office in town and came back home sick. The odor was bad in their communities. He was convinced that if someone would have left Macon by 10:00 a.m. they wouldn't have found anything. However the odor was there at 7:00 a.m. Unless there is better enforcement with a more immediate reaction to the odor, it will not be found. In the amount of time he has lived in the community, there have only been 14 or 17 investigations. Mr. Christen asked the commission to do something about the situation.

Mr. Terry Spence addressed the commission. Following is a summary of his comments:

Mr. Spence addressed the commission and introduced himself as the President of CLEAN and as a farmer in Putnam County, Missouri. CLEAN has been proclaimed to be someone that complains all the time about odors. This issue has been going on for ten years. CLEAN has been patient and has been before the commission on numerous occasions. It has pursued litigation to try and make PSF comply with the standards in its community. Ten years is a long time out of a life span, especially for the children and grandchildren that live in the community. Mr. Spence said there needed to be some type of system to get a handle on the situation. It is starting to become just a cost of doing business for PSF to meet with the department to take care of the situation. There needs to be some enforcement to change this pattern. Ten years is long enough. CLEAN has been involved in litigation for numerous years on the federal level with this company and it did come out with a consent decree. There are technologies coinciding with the Settlement Agreements of the state and their decree. It is still waiting. Some of these technologies

are being pursued, but the odor still hasn't changed at his home. It hasn't changed at a lot of people's homes around these facilities. That is why it's so important as these technologies develop that Missouri, the program, should be monitoring. A reality check is needed to see if anything is bettering a situation, or if it's not. Mr. Spence said he would like to see some referrals made to this commission to move this agenda forward.

Mr. Robert Brundage addressed the commission. Following is a summary of his comments:

Mr. Brundage address the commission and introduced himself as legal council in Jefferson City at the lawfirm of Newman, Comley and Ruth. He has been associated with PSF for a number of years.

Mr. Brundage commented on PSF and also about what Mr. Matt Murphy, Mr. Terry Spence and Mr. Rolf Christen had said. As the commission has read, the complaints have been voluminous ever since CLEAN started initiating litigation against PSF. The department has been very diligent in trying to investigate odor complaints. In fact, the program has sent one of their inspectors up there for approximately one week for the last two summers. PSF and Contigroup Companies are two companies that have around ten Class IA CAFOs. In the last two or three years, there have been two violations of the odor standard that have been detected. These gentlemen claimed there needed to be some enforcement. There have been two violations for all of these farms and all of the investigations and complaints that have been made. One of those violations was taken near the fence line after a land application. It is difficult to control odor when land application is done. There was another original NOV that was withdrawn because it was taken at an incorrect compliance point. Finally, there was an NOV issued last year by the department. The department will tell you that PSF has been in negotiations and is on the verge of resolving that enforcement matter. The department has been out numerous times to substantiate these claims. In over two or three years, they have found only two violations.

Mr. Brundage noted a study that found the highest average inside-home concentration for ammonia and hydrogen sulfide were 94.7 parts per billion and 2.5 parts per billion, respectively. Both from a residence where the occupants smoked and which cats were kept inside. The next highest inside home ammonia concentration was 85.7 parts per billion. For this residence the occupant didn't smoke, but cats were kept inside. Mr. Brundage submitted to the commission that there is a higher risk from people who have cats inside their house than CAFOs when it comes to ammonia emissions.

The student attorney from CLEAN is asking that the commission to direct the department to do research on hydrogen sulfide emissions. This study found that the time waited average of hydrogen sulfide concentrations measured in the ambient air surrounding residences did not reach a level even close to the Iowa proposed health evaluation value of 30 parts per billion. And the 30 parts per billion standard is the same standard as in Missouri, at least it is the same number. The Missouri standard is a half an hour average

in period. Iowa is more lenient. They average over one hour. Iowa does not consider it a violation until you that levels is exceeded seven times within a year. Missouri doesn't have any grace period for exceedances before they consider it a violation. PSF is a company with a number of animal feeding operations in North Missouri that has received two NOVs. Couple that with the fact that a settlement is eminent regarding in taking care of these enforcement actions. Mr. Brundage asked the commission to note the lower levels of ammonia and hydrogen sulfide that are being detected by researchers. The Missouri Department of Health has conducted a study that corroborated what they found in Iowa, where the ammonia levels inside the house were higher than outside the house. The department is taking the appropriate course of action and is being closely vigilant over operations. There is no need for further action.

Vice-Chairman Foresman asked Mr. Kavanaugh to look at the issues that were raised in the Open Session about the odors from PSF and to come back to the commission as to what the staff feels are those issues and what needed to be done. Vice-Chairman Foresman said he appreciated the people coming to the meeting to address the issue. It is important that the commission follow up on this and have the staff address the three issues that were brought up and to see what can be done. If there is no problem then the additional work that is done will confirm that. There needs to be continued vigilance because of the large size of those operations.

Chairman Baker requested that something be sent before the next commission meeting.

Mr. Kavanaugh stated the program will put together and send to the commission prior to the next meeting.

J. Future Meeting Dates

April 27, 2006 – Jefferson City

Elm Street Conference Center

1738 East Elm Street

Lower Level

Roaring River Conference Room

Jefferson City, MO 65101

May 25, 2006 – West Plains

West Plains Civic Center

Walnut Room

110 St. Louis Street

West Plains, MO 65775

June 29, 2006 – Jefferson City

Governor Office Building

Room 450

200 Madison Street

Jefferson City, MO 65101

July 20, 2006 – St. Louis

Crowne Plaza - St. Louis Airport

1-314-291-6700

11228 Lone Eagle Drive

St. Louis, MO 63044

August 31, 2006 – Jefferson City

Governor Office Building

Room 450

200 Madison Street

Jefferson City, MO 65101

September 28, 2006 – Kansas City

Holiday Inn - Sports Complex

1-816-353-5300

1st Base

4011 Blue Ridge Cutoff

Kansas City, MO 64133

October 26, 2006 – Jefferson City

Elm Street Conference Center

1738 East Elm Street

Lower Level

Roaring River Conference Room

Jefferson City, MO 65101

December 7, 2006 – Jefferson City

Elm Street Conference Center

1738 East Elm Street

Lower Level

Roaring River Conference Room

Jefferson City, MO 65101

K. Discussion of Pending Litigation and Legal Matters

None

L. Missouri Air Conservation Commission

Vice-Chairman Foresman moved to adjourn the March 30, 2006, Missouri Air Conservation meeting. Commissioner Fohey seconded; all commissioners voted to adjourn the meeting.

Chairman Baker adjourned the March 30, 2006, Missouri Air Conservation Commission meeting.

Respectfully submitted,

James L. Kavanaugh, Director
Air Pollution Control Program

Approved:

Jack Baker, Chairman
Missouri Air Conservation Commission

SETTLEMENT UPDATE

April 11, 2006

AGREEMENT ACHIEVED

Violation	Name	Negotiations Initiated	Paid Amount	Penalty Suspended
Asbestos				
	Cannon Excavation, Inc.	08-23-04	\$2,000	\$0
	Environmental Operations, Inc.	12-27-05	\$2,000	\$3,000
	Industrial Wrecking	02-17-06	\$2,000	\$0
	J & C Environmental	02-18-04	\$1,500	\$4,500
	J & C Environmental	02-18-04	\$1,500	\$4,500
	Jim Kidwell Construction Corp.	09-07-05	\$0	\$2,000
	Lampley & Associates	10-27-03	\$1,000	\$3,000
	Noble Stone Company	08-30-05	\$0	\$0
	Show-Me Environmental, Inc.	11-02-05	\$4,000	\$4,000
	T&T Demolition	02-18-04	\$3,000	\$0
	Tri-State Construction/Demolition LLC	09-15-05	\$500	\$1,500
	Willard R-2 School District	11-10-05	\$4,000	\$0
Asbestos/Open Burning				
	Accent Development	09-16-05	\$2,000	\$3,000
	J.P. Ross Cotton Company	01-27-06	\$5,000	\$5,000
Construction Permit				
	Collins and Aikman	06-30-05	\$0	\$0
	Courtney Excavating & Construction, Inc.	08-10-04	\$3,000	\$0
	James Cape & Sons Company	04-10-02	\$4,000	\$0
EIQ				
	C. J.'s Cleaners	12-19-05	\$500	\$1,500
	Executive Shirt Service	08-25-03	\$1,500	\$0
	Indeeco	03-23-05	\$500	\$1,500
	Payless Concrete	06-24-05	\$3,000	\$3,000
EIQ/MACT/Operating Permit				
	Fosters Cleaners	01-06-06	\$1,500	\$0
Excess Emissions				
	Payless Concrete	11-17-05	\$3,000	\$3,000
MACT				
	Crown Royal Cleaners (Forum Prof. Dry Cleaners)	01-13-06	\$2,000	\$2,000
	Hydro Aluminum Wells	05-18-05	\$4,000	\$6,000
MACT/Construction Permit				
	The Environmental Resource	10-18-04	\$1,000	\$4,000
NSPS				
	Taylor Quarries, Inc.	01-17-05	\$0	\$6,000
Opacity				

AGREEMENT ACHIEVED

Violation	Name	Negotiations Initiated	Paid Amount	Penalty Suspended
Opacity				
	Omega Protein, Inc.	01-10-06	\$1,000	\$2,000
Opacity/Fugitive Dust				
	Kennedy Contractors	09-29-05	\$2,000	\$2,000
Open Burning				
	B & R Salvage	06-24-05	\$2,000	\$2,000
	Crocker, Mark (CCC Properties)	03-15-05	\$2,000	\$3,000
	Fisher, Michael	05-03-05	\$500	\$1,500
	Franklin, Jeff	11-02-05	\$500	\$1,500
	Gallegos, Walt	10-31-05	\$0	\$5,000
	Gateway Outdoors (Mike Moore)	12-02-05	\$0	\$2,000
	Ives, Donald	02-17-06	\$0	\$2,000
	KAJACS Contractors, Inc.	02-10-06	\$0	\$2,000
	Mefford, David	02-17-06	\$0	\$2,000
	Millbrook Distribution Services, Inc. (Puekert)	02-17-06	\$0	\$3,000
	Milsteads 131 Drive-In	03-21-05	\$0	\$2,000
	Schnakenburg, Steve	01-18-06	\$0	\$2,000
Operating Permit				
	Beelman River Terminals, Inc.	07-06-04	\$3,000	\$500
	Federal-Mogul Friction Products	12-20-04	\$2,000	\$3,000
	ICL Performance Products (Astaris, LLC)	12-21-05	\$6,000	\$0
	Kirkwood Cleaners	10-31-06	\$3,000	\$7,000
Solvent Metal Cleaning/Construction Permit				
	Beelman River Terminals	06-09-05	\$2,500	\$0
Stage II				
	Midwest Petroleum #2710 (MPC-88)	07-01-05	\$500	\$0
	Mobil #1503	12-02-04	\$0	\$6,000
	Motomart/FKG #2154	07-14-05	\$1,500	\$0
	Phillip 66 (National Petroleum)	06-16-04	\$1,500	\$0
	Shell #2073 (Spirit Energy)	11-12-04	\$2,000	\$0
Stage II - Dispense Illegally				
	Gas Mart (Adam Jabber)	09-28-06	\$1,800	\$0

NEGOTIATIONS ONGOING

Violation	Name	Negotiations Initiated
Asbestos		
	Allen, PC, Truman	12-01-05
	Bricker Excavating	02-28-05
	Building Restoration/Mound City Development	12-15-04
	C & D Heating and Cooling	01-23-04
	Central States, Inc.	04-03-06
	Coloney & Sons, Inc.	12-01-05
	Columbia Public Schools	10-21-05
	D.Varalli Enterprises, LLC	02-09-06
	Don Gregory Excavating	04-03-06
	EBR Enterprises	04-07-06
	GBH Builders, Inc.	10-21-05
	GMMP	02-09-04
	Hobby Lobby	05-12-05
	King Environmental	06-14-05
	McIntyre Mann Carpets	04-03-06
	Orchard Court, LLC	02-09-06
	Patel, Manny and Patel, Pete	04-07-06
	Pratt, Xishu	08-10-05
	Quality Roofing Company	04-07-06
	R.L. Phillips Construction	02-22-06
	Renegade Construction, Inc.	06-17-05
	Roush, Ted	12-06-04
	Sinfabco	11-23-05
	Ware Farms	04-07-06
Asbestos/Open Burning		
	Cedar Acres Resort	09-16-05
	Hill Brothers Construction	09-16-05
Charcoal Kiln/Construction Permit/Operating Permit		
	Craig Industries, Inc.	03-03-06
Cleaning Solvent		
	Liberty Sandblasting, Inc.	03-10-06
Construction Permit		
	Circle M Ready Mix, Inc.	12-20-05
	Daimler Chrysler- St. Louis South	04-25-05
Dry Cleaning		
	Americlean Drycleaners	01-27-06
	Prestige Cleaners	11-21-05
	Slaughter's Cleaners	12-28-04
EIQ		

NEGOTIATIONS ONGOING

Violation	Name	Negotiations Initiated
EIQ		
	Bon Ton Cleaners	12-07-05
EIQ/Construction Permit		
	Black River Asphalt/Dement Ready Mix	01-05-06
Excess Emissions		
	Premium Standard Farms, Somerset	09-02-05
MACT		
	Dial Cleaners	03-13-06
	Hydro Aluminum Wells	02-17-06
	Teva Pharmaceuticals	03-01-06
Odor		
	Fred Weber Inc	01-10-06
	Renewable Environmental Solutions, LLC	08-05-05
	Schreiber Foods, Inc.	01-31-06
Open Burning		
	Acup, Freddie	07-13-04
	Adams, Don	01-12-06
	Aloha Development	02-27-06
	Brown, James	10-18-05
	Cunningham, Charlie	04-26-05
	Danbar, Inc.	03-13-06
	Danny Norwood	03-09-06
	Earl, Mike & Diane	06-09-05
	Falco, Joseph	01-06-06
	Gibson, Thomas	02-10-06
	Gross, Daniel	05-21-02
	Helton, Greg	03-14-05
	Hicks, Aaron	01-31-06
	Holloran, Matt	08-18-05
	John Cavanaugh Construction, LLC	01-21-05
	John Childs	09-23-04
	John Gordon	04-03-06
	Jones, Tim	11-08-05
	Kester's House Moving	04-28-04
	Kevin Poynter	03-23-06
	Oswald Ag Services	02-27-06
	Roberts, Randy	06-24-05
	Russell, Mark	04-08-05
	Swearengen Investments	02-09-06
	Tyke Entertainment (dba Shooter's 21)	06-19-02

NEGOTIATIONS ONGOING

Violation	Name	Negotiations Initiated
Open Burning		
	Yager, Bill & Sandra	10-31-05
Operating Permit		
	Buckhorn Rubber	06-09-05
	K & R Wood Products, Inc.	12-28-04
Stage II		
	Mobil #2835 (Wallis)	10-29-05

PENDING CASES REFERRED
TO ATTORNEY GENERAL'S OFFICE

Violation	Name	Commission Referral Date
Asbestos		
	Angell, Daniel	12-08-05
	Carver, Craig	10-27-05
	Hance Excavating	03-30-06
	Hayes Jr., Reverend Lloyd	05-26-05
	Hoggatt, Travis	10-27-05
	Hoot-N-Anny's Bar Grill	10-27-05
	Prestige Construction	02-02-06
Denial of Access		
	Olean Seed Company	03-31-05
EIQ		
	Colonial Cleaners & Commercial Laundry	03-27-03
MACT		
	Scrubby Duds, Kirksville	06-21-01
	Stewart's Quality Cleaners	02-02-06
Open Burning		
	Banks, Tom	02-02-06
	Carman Chemical	02-02-06
	Gallagher, Tanya/Israel, Michael	02-02-06
	Joseph "Artie" Ayres	02-10-05
	Roy Purinton	03-29-03
	Sells, Ron	08-25-05
	Sumpter & Son Pallet	10-12-05
Operating Permit		
	Black Tie Cleaners	06-24-04
	National Dry Cleaners	03-25-04
Stage I		
	Indepence Gas & Speedy Mart, Inc.	05-26-05
Stage II		
	Casey's General Store	12-02-04
	Purschke Oil Company	04-29-04



Missouri Department of Natural Resources
Division of Environmental Quality
Air Pollution Control Program

**PERMIT APPLICATIONS
RECEIVED**

	Construction Permits	Operating Permits	Total
January	63	28	91
February	54	30	84
March	65	23	88
Total	182	81	263

Department of Natural Resources

Division of Environmental Quality

Permits Management System

Air Pollution Control Program

Company: Norris Aggregate Products	Description: Rock Crushing - electrosb
Location: 9355 County Hwy T	Permit Type: AP: Sec 4: Relocate to New Site
City: Amazonia	Status: AP: Application Withdrawn by Applicant
County: Andrew	Received: 3/3/2006
Project#: AP200603016	
Company: Norris Aggregate Products	Description: Add Equipment
Location: 9355 County Hwy T	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Amazonia	Status: AP: Applicant Draft Review
County: Andrew	Received: 3/10/2006
Project#: AP200603052	
Company: Missouri Joint Mun. Util. Comm.	Description: 14 MW gas turbine
Location: 6150 US Hwy 54	Permit Type: AP: Applicability Determination Request
City: Laddonia	Status: AP: Permit Required
County: Audrain	Received: 3/10/2006
Project#: AP200603041	
Company: Hutchens Construction Co	Description: Amend for colocation
Location: Farm Rd 2060	Permit Type: AP: IR Corrections & Amendments
City: Purdy	Status: AP: Receive, Log, Assign
County: Barry	Received: 3/30/2006
Project#: AP200604002	
Company: Hutchens Construction Co	Description: Rock Crushing - electrosb
Location: Farm Rd 2060	Permit Type: AP: Sec 4: Relocate to New Site
City: Purdy	Status: AP: Technical Review
County: Barry	Received: 3/30/2006
Project#: AP200604001	
Company: Epoch Composite Products	Description: Grinding and pellet transfer
Location: 601 W 7th St	Permit Type: AP: Corrections & Amendments
City: Lamar	Status: AP: Awaiting Completeness Check
County: Barton	Received: 3/9/2006
Project#: AP200603040	
Company: EPOCH Composite Products	Description: Confidentiality for 2006-03-040
Location: 223 S County Hwy KK	Permit Type: AP: Confidentiality Request
City: Lamar	Status: AP: Technical Review
County: Barton	Received: 3/13/2006
Project#: AP200603056	
Company: Swift Construction at Epoch	Description: Asphalt recycling extension
Location: 223 S K Hwy	Permit Type: AP: IR Corrections & Amendments
City: Lamar	Status: AP: Receive, Log, Assign
County: Barton	Received: 3/27/2006
Project#: AP200603082	
Company: Smasal Aggregates - Lincoln	Description: Rock Crushing-formerly PORT-0399
Location: Palo Rd	Permit Type: AOP: Basic Operating Permit
City: Lincoln	Status: AP: Initial Clerical Prep
County: Benton	Received: 3/13/2006
Project#: AP200603069	
Company: Ameren - Columbia Energy Center	Description: Acid Rain
Location: 4902 Peabody Rd	Permit Type: AOP: Phase II Acid Rain Permit Renewal
City: Columbia	Status: AP: Awaiting Completeness Check
County: Boone	Received: 3/6/2006
Project#: AP200603018	

Company: Ag Processing, Inc.	Description: Biodiesel Plant
Location: 900 Lower Lake Rd	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: St. Joseph	Status: AP: IR Completeness Check
County: Buchanan	Received: 3/23/2006
Project#: AP200603081	
Company: UtiliCorp United (Lake Road)	Description: Add gas or fuel oil boiler
Location: 1413 Lower Lake Road	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: St. Joseph	Status: AP: Technical Review
County: Buchanan	Received: 3/13/2006
Project#: AP200603053	
Company: Ray-Carroll Carrollton Facility	Description: Temporary Grain storage
Location: Hwy 24 East	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: Carrollton	Status: AP: Technical Review
County: Carroll	Received: 3/20/2006
Project#: AP200603079	
Company: Limpus Quarries Inc	Description: Rock Crushing-electrosub
Location: South Little Rd	Permit Type: AP: Sec 4: Relocate to New Site
City: Garden City	Status: AP: Unit Chief Review
County: Cass	Received: 3/10/2006
Project#: AP200603046	
Company: EnviroMx Inc	Description: Biodiesel production
Location: CR 310	Permit Type: AP: Applicability Determination Request
City: Wayland	Status: AP: Receive, Log, Assign
County: Clark	Received: 3/22/2006
Project#: AP200603099	
Company: Davis Paint Co	Description: Paint Manufacturing
Location: 1311 IRON ST	Permit Type: AOP: Part 70 Operating Permit Renewal
City: Kansas City	Status: AP: Awaiting Completeness Check
County: Clay	Received: 3/6/2006
Project#: AP200603072	
Company: Northland Ready-Mix, Inc	Description: Add Fly Ash Silo
Location: 8607 Schell Rd	Permit Type: AP: Applicability Determination Request
City: Pleasant Valley	Status: AP: Awaiting Completeness Check
County: Clay	Received: 3/13/2006
Project#: AP200603057	
Company: APAC - I-35 Site	Description: Asphalt
Location: T54N:R30W:S30	Permit Type: AP: Sec 4: Relocate to New Site
City: Plattsburg	Status: AP: Technical Review
County: Clinton	Received: 3/24/2006
Project#: AP200603089	
Company: Capital Sand	Description: Portable to stationary
Location: County Hwy W	Permit Type: AP: IR Corrections & Amendments
City: Jefferson City	Status: AP: Awaiting Completeness Check
County: Cole	Received: 3/2/2006
Project#: AP200603004	
Company: Capital Sand	Description: Portable to stationary
Location: County Hwy W	Permit Type: AP: IR Corrections & Amendments
City: Jefferson City	Status: AP: Awaiting Completeness Check
County: Cole	Received: 3/2/2006
Project#: AP200603005	
Company: Department of Health Laboratory	Description: Boilers and exempt incinerator
Location: 101 N Chestnut	Permit Type: AP: Applicability Determination Request
City: Jefferson City	Status: AP: Applicant submitting complete
County: Cole	Received: 3/22/2006
Project#: AP200603077	

Company: Norris Asphalt Paving	Description: Add capacity - electrosb
Location: 16664 County Hwy C	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Pattonsburg	Status: AP: Technical Review
County: Daviess	Received: 3/3/2006
Project#: AP200603017	
Company: Crossroads Correctional Center	Description: Correctional Center
Location: 1115 E Pence Rd	Permit Type: AOP: Basic Operating Permit Renewal
City: Cameron	Status: AP: IR Completeness Check
County: Dekalb	Received: 3/27/2006
Project#: AP200603108	
Company: Everett Quarries	Description: Rock Crushing
Location: 2674 SE Frost Rd	Permit Type: AP: Sec 4: Relocate Approved Site
City: Cameron	Status: AP: Section 4 Permit Issued
County: Dekalb	Received: 3/29/2006
Project#: AP200603096	
Company: Illinois Valley Paving	Description: Concrete
Location: CR 557	Permit Type: AP: Sec 4: Relocate to New Site
City: Kennett	Status: AP: Final Clerical Prep
County: Dunklin	Received: 3/10/2006
Project#: AP200603051	
Company: Missouriian Publishing Co	Description: Combine operations
Location: 6321 BLUFF RD	Permit Type: AP: Applicability Determination Request
City: Washington	Status: AP: Awaiting Completeness Check
County: Franklin	Received: 3/6/2006
Project#: AP200603020	
Company: Sporlan Valve Division - Plant 1	Description: Plant Closing
Location: 611 East 7th St	Permit Type: AOP: Part 70 Operating Permit Admin. Amend
City: Washington	Status: AP: Executive Review
County: Franklin	Received: 3/3/2006
Project#: AP200603011	
Company: Sporlan Valve Division - Plant 3	Description: Responsible Official
Location: 206 LANGE DR	Permit Type: AOP: Part 70 Operating Permit Admin. Amend
City: Washington	Status: AP: Executive Review
County: Franklin	Received: 3/3/2006
Project#: AP200603013	
Company: Sporlan Valve Division-Plant 2	Description: New responsible official
Location: 1699 W Main	Permit Type: AOP: Part 70 Operating Permit Admin. Amend
City: Washington	Status: AP: Executive Review
County: Franklin	Received: 3/3/2006
Project#: AP200603012	
Company: Modine Mfg. Co	Description: Cleaning Process
Location: 822 INDUSTRIAL DR	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: Trenton	Status: AP: Technical Review
County: Grundy	Received: 3/20/2006
Project#: AP200603076	
Company: Norris Asphalt Paving - Maitland	Description: Asphalt
Location: T62N:R37W:S34:SE:SE County Rd 91	Permit Type: AP: Sec 4: Relocate to New Site
City: Maitland	Status: AP: Unit Chief Review
County: Holt	Received: 3/13/2006
Project#: AP200603059	
Company: Mountain View Fabricating	Description: Vending Machine Refurbishment
Location: 1315 E US Hwy 60	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: Mountain View	Status: AP: Technical Review
County: Howell	Received: 3/8/2006
Project#: AP200603028	

Company: LaFarge Corporation - Sugar Creek	Description: Alternate fuels evaluation
Location: 4201 N RIVER BLVD	Permit Type: AP: Applicability Determination Request
City: Sugar Creek	Status: AP: Closed out, per policy
County: Jackson	Received: 3/8/2006
Project#: AP200603035	
Company: LaFarge Corporation - Sugar Creek	Description: Gypsum Reclaim System
Location: 4201 N RIVER BLVD	Permit Type: AP: Applicability Determination Request
City: Sugar Creek	Status: AP: Awaiting Completeness Check
County: Jackson	Received: 3/13/2006
Project#: AP200603055	
Company: LaFarge North America	Description: Add BMPs to site-electrosub
Location: 16400 E KENTUCKY RD	Permit Type: AP: IR Sec 5 & 6: Dminimis and Minor
City: Independence	Status: AP: IR Completeness Check
County: Jackson	Received: 3/27/2006
Project#: AP200603093	
Company: Master Rock - Barber	Description: Rock Crushing
Location: MO Hwy 7 & US 50	Permit Type: AP: IR Sec 5 & 6: Dminimis and Minor
City: Lees Summit	Status: AP: Technical Review
County: Jackson	Received: 3/15/2006
Project#: AP200603062	
Company: Penny's Concrete - Grain Valley	Description: Monitoring conditions
Location: T49N:R30W:S35:NE:NE	Permit Type: AP: IR Corrections & Amendments
City: Grain Valley	Status: AP: Awaiting Fees
County: Jackson	Received: 3/3/2006
Project#: AP200603007	
Company: Bailey Quarries - Sarcoxie	Description: Add site
Location: Cedar Rd	Permit Type: AP: IR Corrections & Amendments
City: Reeds	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/24/2006
Project#: AP200603087	
Company: Bailey Quarries - Sarcoxie	Description: Add Site
Location: Cedar Rd	Permit Type: AP: IR Corrections & Amendments
City: Reeds	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/24/2006
Project#: AP200603086	
Company: Bailey Quarries - Sarcoxie	Description: Add site
Location: Cedar Rd	Permit Type: AP: IR Corrections & Amendments
City: Reeds	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/24/2006
Project#: AP200603085	
Company: Bailey Quarries - Sarcoxie	Description: Add site
Location: Cedar Rd	Permit Type: AP: IR Corrections & Amendments
City: Reeds	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/24/2006
Project#: AP200603084	
Company: Empire District Electric Co (Asbury)	Description: Renewal
Location: Redbud Rd	Permit Type: AOP: Phase II Acid Rain Permit Renewal
City: Asbury	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/21/2006
Project#: AP200603070	
Company: Empire District Electric-Stateline	Description: Expiration Dates
Location: 2503 Stateline Ave	Permit Type: AOP: Phase II Acid Rain Permit Amendment
City: Joplin	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/17/2006
Project#: AP200603066	

Company: Empire Electric District	Description: Expiration dates
Location: 2537 Fir Road	Permit Type: AOP: Phase II Acid Rain Permit Amendment
City: Sarcouxie	Status: AP: Receive, Log, Assign
County: Jasper	Received: 3/17/2006
Project#: AP200603065	
Company: Renewable Environmental Solutions	Description: Update permit conditions
Location: 530 N Main St	Permit Type: AP: Corrections & Amendments
City: Carthage	Status: AP: Awaiting Completeness Check
County: Jasper	Received: 3/20/2006
Project#: AP200603064	
Company: Tamko Roofing Products-High Street Plant	Description: Replace pneumatic pump
Location: 601 N HIGH AVE	Permit Type: AP: Applicability Determination Request
City: Joplin	Status: AP: No Permit Required
County: Jasper	Received: 3/9/2006
Project#: AP200603038	
Company: Jefferson County Cremation Services	Description: Human Remains incinerator
Location: 9127 Commercial Blvd	Permit Type: AOP: Basic Operating Permit
City: Pevely	Status: AP: IR Completeness Check
County: Jefferson	Received: 3/29/2006
Project#: AP200603104	
Company: River Cement Company	Description: Fly Ash Silo
Location: 1000 River Cement Rd	Permit Type: AP: Applicability Determination Request
City: Festus	Status: AP: Receive, Log, Assign
County: Jefferson	Received: 3/23/2006
Project#: AP200603100	
Company: Hilty Quarries, Inc	Description: Impactor, screens
Location: 407 SW Hwy 13	Permit Type: AP: IR Applicability Determination Request
City: Warrensburg	Status: AP: Awaiting Completeness Check
County: Johnson	Received: 3/8/2006
Project#: AP200603034	
Company: LaFarge Construction Materials Inc.	Description: New Concrete Plant
Location: 247 NE Division St.	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Warrensburg	Status: AP: Technical Review
County: Johnson	Received: 3/2/2006
Project#: AP200603008	
Company: St. John's Hospital	Description: Add 5.5 million btu boiler
Location: 100 Hospital Drive	Permit Type: AP: Applicability Determination Request
City: Lebanon	Status: AP: No Permit Required
County: Laclede	Received: 3/6/2006
Project#: AP200603021	
Company: APAC - Higginsville	Description: Asphalt
Location: N Outer Rd	Permit Type: AP: Sec 4: Relocate to New Site
City: Higginsville	Status: AP: Technical Review
County: Lafayette	Received: 3/24/2006
Project#: AP200603088	
Company: Limpus Quarries Inc	Description: Rock Crushing
Location: 1317 County Hwy Z	Permit Type: AOP: Basic Operating Permit Renewal
City: Bates City	Status: AP: Initial Clerical Prep
County: Lafayette	Received: 3/6/2006
Project#: AP200603071	
Company: Fred Carlson Co - Hwy 61	Description: Concrete
Location: T63N:R06W:S26:SW:SE	Permit Type: AP: Sec 4: Relocate to New Site
City: Canton	Status: AP: Technical Review
County: Lewis	Received: 3/3/2006
Project#: AP200603019	

Company: Chester Bross Construction Co.	Description: Six month extension
Location: T57N:R16W:S07:SW	Permit Type: AP: IR Corrections & Amendments
City: New Cambria	Status: AP: Extension Granted
County: Macon	Received: 3/13/2006
Project#: AP200603063	
Company: Granuband Macon, LLC	Description: Tire Recycling
Location: 612 Bles Industrial Dr	Permit Type: AP: Applicability Determination Request
City: Macon	Status: AP: Receive, Log, Assign
County: Macon	Received: 3/23/2006
Project#: AP200603103	
Company: MMU-Generating Station S3	Description: New Unit Exemptions
Location: 2105 Kellog Ave	Permit Type: AOP: Phase II Acid Rain Permit Exemption
City: Macon	Status: AP: Technical Review
County: Macon	Received: 3/31/2006
Project#: AP200603109	
Company: Dredging, Inc	Description: Add BMPs
Location: 13 Hwy V	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Osage Beach	Status: AP: Technical Review
County: Miller	Received: 3/27/2006
Project#: AP200603094	
Company: A E C I New Madrid	Description: Two 345 Hp Diesel cooling pumps
Location: St. Jude Road	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: New Madrid	Status: AP: Final Clerical Prep
County: New Madrid	Received: 3/7/2006
Project#: AP200603027	
Company: Kawasaki Motors Manufacturing Corp	Description: Die casting and Crankcase machining
Location: 28147 BUSINESS HIGHWAY 71	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: MARYVILLE	Status: AP: Technical Review
County: Nodaway	Received: 3/9/2006
Project#: AP200603045	
Company: Kawasaki Motors Manufacturing Corp	Description: Add processes
Location: 28147 BUSINESS HIGHWAY 71	Permit Type: AOP: Intermediate Operating Permit Amendm
City: MARYVILLE	Status: AP: Awaiting Completeness Check
County: Nodaway	Received: 3/9/2006
Project#: AP200603047	
Company: Doss & Harper Stone Co	Description: Amend recordkeeping
Location: T23N:R04W:S26:NW:SW	Permit Type: AP: IR Corrections & Amendments
City: Couch	Status: AP: Amendment Approved
County: Oregon	Received: 3/7/2006
Project#: AP200603024	
Company: Doss & Harper Stone Co	Description: Amend recordkeeping
Location: T23N:R04W:S26:NW:SW	Permit Type: AP: IR Corrections & Amendments
City: Couch	Status: AP: Amendment Approved
County: Oregon	Received: 3/7/2006
Project#: AP200603025	
Company: Doss & Harper Stone Co	Description: Amend recordkeeping
Location: T23N:R04W:S26:NW:SW	Permit Type: AP: IR Corrections & Amendments
City: Couch	Status: AP: Amendment Approved
County: Oregon	Received: 3/7/2006
Project#: AP200603026	
Company: TNT Plastics, Inc.	Description: Add bagging machines
Location: 701 Industrial Drive	Permit Type: AP: Applicability Determination Request
City: Perryville	Status: AP: No Permit Required
County: Perry	Received: 3/8/2006
Project#: AP200603033	

Company: Tyson Foods-Chicken	Description: Grinding and screening units
Location: 19571 WHITFIELD RD	Permit Type: AP: Sec 5 & 6: Dminimis and Minor
City: SEDALIA	Status: AP: Technical Review
County: Pettis	Received: 3/9/2006
Project#: AP200603044	
Company: Tyson Foods-Chicken	Description: Boiler, fryer and oven
Location: 19571 WHITFIELD RD	Permit Type: AP: Sec 5 & 6: Dminimis and Minor
City: SEDALIA	Status: AP: Technical Review
County: Pettis	Received: 3/9/2006
Project#: AP200603043	
Company: Ameren UE-Peno Creek Power Plant	Description:
Location: T53N:R03W:S22:NE:SW US Hwy 54	Permit Type: AOP: Phase II Acid Rain Permit Renewal
City: Bowling Green	Status: AP: Awaiting Completeness Check
County: Pike	Received: 3/8/2006
Project#: AP200603073	
Company: Capital Quarries, Inc. Combined 2	Description: Amend for generic
Location: 822 W Stadium Blvd	Permit Type: AP: IR Corrections & Amendments
City: Jefferson City	Status: AP: Receive, Log, Assign
County: Portable Plant	Received: 3/7/2006
Project#: AP200603023	
Company: Capital Quarries, Inc. Combined 4	Description: Amend for generic
Location: 822 W Stadium Blvd	Permit Type: AP: IR Corrections & Amendments
City: Jefferson City	Status: AP: Awaiting Completeness Check
County: Portable Plant	Received: 3/7/2006
Project#: AP200603022	
Company: Hilty Quarries, Inc	Description: Replace crusher
Location: 190 NW 251	Permit Type: AP: IR Applicability Determination Request
City: Clinton	Status: AP: Awaiting Completeness Check
County: Portable Plant	Received: 3/10/2006
Project#: AP200603048	
Company: Willard Quarries	Description: Allow portable colocation w/ rock crushing
Location: 13875 Tulsa Road	Permit Type: AP: IR Corrections & Amendments
City: St. Robert	Status: AP: Awaiting Completeness Check
County: Pulaski	Received: 3/8/2006
Project#: AP200603029	
Company: Willard Quarries	Description: Amend asphalt for colocation
Location: 13875 Tulsa Road	Permit Type: AP: IR Corrections & Amendments
City: St. Robert	Status: AP: Awaiting Completeness Check
County: Pulaski	Received: 3/8/2006
Project#: AP200603030	
Company: Willard Quarries	Description: Rock Crushing - electrosb
Location: 13875 Tulsa Road	Permit Type: AP: IR Sec 5 & 6: Dminimis and Minor
City: St. Robert	Status: AP: Technical Review
County: Pulaski	Received: 3/8/2006
Project#: AP200603031	
Company: Land / Chariton County Concrete	Description: Replace concrete batch plant
Location: Pig Rd at Bun Rd	Permit Type: AP: IR Applicability Determination Request
City: Moberly	Status: AP: Awaiting Completeness Check
County: Randolph	Received: 3/9/2006
Project#: AP200603039	
Company: APAC - MO	Description: Asphalt
Location: County Rd 393	Permit Type: AP: Sec 4: Relocate Approved Site
City: Marshall	Status: AP: Section 4 Permit Issued
County: Saline	Received: 3/9/2006
Project#: AP200603037	

Company: Construction Trailer Specialists, Inc	Description: Emissions limit
Location: 2535 Rose Pkwy	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: Sikeston	Status: AP: IR Completeness Check
County: Scott	Received: 3/24/2006
Project#: AP200603080	
Company: Sikeston Power Station	Description:
Location: 1551 W. Wakefield Street	Permit Type: AOP: Phase II Acid Rain Permit Renewal
City: Sikeston	Status: AP: Awaiting Completeness Check
County: Scott	Received: 3/10/2006
Project#: AP200603049	
Company: Breckenridge O'Fallon	Description: Terminate OP
Location: 1440 Terra Lane West	Permit Type: AOP: Basic Operating Permit Amendment
City: O'Fallon	Status: AP: Executive Review
County: St. Charles	Received: 3/17/2006
Project#: AP200603067	
Company: C.B. Asphalt - Hwy 67	Description: Extension
Location: T37N:R04E:S12:SE	Permit Type: AP: IR Corrections & Amendments
City: Bonne Terre	Status: AP: Receive, Log, Assign
County: St. Francois	Received: 3/27/2006
Project#: AP200603097	
Company: K & D Crushing, Inc at Base Rock	Description: Rock Crushing
Location: T37N:R04E:S30	Permit Type: AP: Sec 4: Relocate to New Site
City: Bonne Terre	Status: AP: Application Withdrawn by Applicant
County: St. Francois	Received: 3/10/2006
Project#: AP200603042	
Company: Allsafe Services & Materials	Description: Roller coater
Location: 2025 Hitzert Ct	Permit Type: AP: Local CP
City: Fenton	Status: AP: Awaiting Completeness Check
County: St. Louis	Received: 3/29/2006
Project#: AP200603101	
Company: Monsanto Company World Headquarters	Description:
Location: 800 N Lindbergh Blvd	Permit Type: AOP: Intermediate Operating Permit Amendm
City: St. Louis	Status: AP: Receive, Log, Assign
County: St. Louis	Received: 3/6/2006
Project#: AP200603074	
Company: Trilla St. Louis Corporation	Description: Drum Barrel Welding
Location: 2391 CASSENS DR	Permit Type: AOP: Part 70 Operating Permit Renewal
City: Fenton	Status: AP: Receive, Log, Assign
County: St. Louis	Received: 3/22/2006
Project#: AP200603107	
Company: Band Box Cleaners	Description: Dry to Dry Machine
Location: 1110 LOCUST ST	Permit Type: AP: Local CP
City: St. Louis	Status: AP: Awaiting Completeness Check
County: St. Louis City	Received: 3/22/2006
Project#: AP200603075	
Company: National Linen Service	Description: Terminate OP
Location: 315 Lynch	Permit Type: AOP: Basic Operating Permit Amendment
City: St. Louis	Status: AP: Receive, Log, Assign
County: St. Louis City	Received: 3/17/2006
Project#: AP200603068	
Company: Omega Protein Inc	Description: Terminate Basic OP
Location: #6 Madison St	Permit Type: AOP: Basic Operating Permit Amendment
City: St. Louis	Status: AP: Operating Permit Terminated
County: St. Louis City	Received: 3/27/2006
Project#: AP200603102	

Company: St Louis Metallizing	Description: Solvent Change
Location: 4123 SARPY AVE	Permit Type: AP: Local CP
City: St. Louis	Status: AP: Awaiting Completeness Check
County: St. Louis City	Received: 3/3/2006
Project#: AP200603015	
Company: APAC Brickey's Stone LLC	Description: New Portable Crusher
Location: 13588 BRICKEYS RD	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Bloomsdale	Status: AP: Technical Review
County: Ste. Genevieve	Received: 3/20/2006
Project#: AP200603078	
Company: Chemical Lime Company	Description: Responsible official
Location: 20947 WHITE SANDS RD	Permit Type: AOP: Part 70 Operating Permit Admin. Amend
City: St. Genevieve	Status: AP: Receive, Log, Assign
County: Ste. Genevieve	Received: 3/24/2006
Project#: AP200603106	
Company: Delta Asphalt - Bloomfield	Description: Asphalt
Location: 15498 Old Bloomfield Rd	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Dexter	Status: AP: Technical Review
County: Stoddard	Received: 3/14/2006
Project#: AP200603061	
Company: Nestle Purina PetCare	Description: Pin Mixer Project
Location: 22450 COUNTY HIGHWAY Y	Permit Type: AP: Sec 5 & 6: Deminimis and Minor
City: Bloomfield	Status: AP: Technical Review
County: Stoddard	Received: 3/1/2006
Project#: AP200603006	
Company: Nestle Purina PetCare	Description: Confidentiality for 2006-03-006
Location: 22450 COUNTY HIGHWAY Y	Permit Type: AP: Confidentiality Request
City: Bloomfield	Status: AP: Unit Chief Review
County: Stoddard	Received: 3/1/2006
Project#: AP200603036	
Company: Concrete Co of Springfield	Description: New Portable Concrete - electrosb
Location: T22N:R21W:S17 US Hwy 65 at 165	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Branson	Status: AP: Technical Review
County: Taney	Received: 3/27/2006
Project#: AP200603091	
Company: Concrete Co of Springfield	Description: Amend stationary for new Portable
Location: T22N:R21W:S17 US Hwy 65 at 165	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor
City: Branson	Status: AP: Technical Review
County: Taney	Received: 3/27/2006
Project#: AP200603092	
Company: Journagan Construction Co-Hollister S	Description: Modify for onsite concrete plant
Location: 719 CEDAR VALLEY ROAD	Permit Type: AP: IR Corrections & Amendments
City: Hollister	Status: AP: Final Clerical Prep
County: Taney	Received: 3/3/2006
Project#: AP200603014	
Company: Truesdale Packaging	Description: Two 600 Hp Boilers
Location: 1410 E Veterans Memorial Pkwy	Permit Type: AP: Applicability Determination Request
City: Warrenton	Status: AP: Awaiting Completeness Check
County: Warren	Received: 3/13/2006
Project#: AP200603054	
Company: Capital Sand - Pea Ridge Site	Description: Amend primary emission point
Location: County Hwy EE	Permit Type: AP: IR Corrections & Amendments
City: Sullivan	Status: AP: Awaiting Completeness Check
County: Washington	Received: 3/9/2006
Project#: AP200603032	

Company:	Brown Sand & Gravel Inc - Lodi Mine	Description:	Rock Crushing - electrosab - BMPs
Location:	US Hwy 67 S	Permit Type:	AP: IR Sec 5 & 6: Deminimis and Minor
City:	Lodi	Status:	AP: Technical Review
County:	Wayne	Received:	3/13/2006
Project#:	AP200603060		
Company:	Apple Cabinets Inc	Description:	Wood Cabinets
Location:	623 W Clinton	Permit Type:	AP: Applicability Determination Request
City:	Seymour	Status:	AP: Receive, Log, Assign
County:	Webster	Received:	3/24/2006
Project#:	AP200604007		
Company:	Tyler Cuppling Co	Description:	Rubber Couplings
Location:	1300 Warrens	Permit Type:	AP: Sec 5 & 6: Deminimis and Minor
City:	Marshfield	Status:	AP: Technical Review
County:	Webster	Received:	3/27/2006
Project#:	AP200603090		



Missouri Department of Natural Resources
Division of Environmental Quality
Air Pollution Control Program

PERMIT APPLICATIONS COMPLETED

	Construction Permits	Operating Permits	Total
January	44	16	60
February	55	24	79
March	35	21	56
Total	134	61	195

Department of Natural Resources

Division of Environmental Quality

Permits Management System

Air Pollution Control Program

Company: Norris Aggregate Products	Received	Completed	Permit #	Days Used
Location: 9355 County Hwy T	3/3/2006	3/22/2006	012005-004	19
City: Amazonia	Description:	Rock Crushing - electrosb		
County: Andrew	Permit Type:	AP: Sec 4: Relocate to New Site		
Project#: AP200603016	Status:	AP: Application Withdrawn by Applicant		
Company: Archer Daniels Midland Co	Received	Completed	Permit #	Days Used
Location: 400 E HOLT ST	10/19/2005	3/15/2006	032006-010	147
City: Mexico	Description:	Biodiesel Production		
County: Audrain	Permit Type:	AP: Sec 5 & 6: Deminimis and Minor		
Project#: AP200510044	Status:	AP: Section 5 Permit Issued		
Company: Missouri Joint Mun. Util. Comm.	Received	Completed	Permit #	Days Used
Location: 6150 US Hwy 54	3/10/2006	3/23/2006		13
City: Laddonia	Description:	14 MW gas turbine		
County: Audrain	Permit Type:	AP: Applicability Determination Request		
Project#: AP200603041	Status:	AP: Permit Required		
Company: TEVA Pharmaceuticals USA	Received	Completed	Permit #	Days Used
Location: 5000 Christopher Drive	1/13/2006	3/23/2006		69
City: Mexico	Description:	Product test run		
County: Audrain	Permit Type:	AP: Applicability Determination Request		
Project#: AP200601038	Status:	AP: No Permit Required		
Company: Browning-Ferris Industries Landfill	Received	Completed	Permit #	Days Used
Location: County Hwy DD	2/17/2006	3/23/2006	OP2003-014	34
City: Lamar	Description:	Responsible official		
County: Barton	Permit Type:	AOP: Part 70 Operating Permit Admin. Amen		
Project#: AP200602089	Status:	AP: Amendment Approved		
Company: West Central AGRI Services	Received	Completed	Permit #	Days Used
Location: T41N:R31W:S01:SE:SW Hwy 71	12/27/2005	3/22/2006	OP	85
City: Adrian	Description:	Grain and Fertilizer General OP		
County: Bates	Permit Type:	AOP: Basic Operating Permit Renewal		
Project#: AP200512049	Status:	AP: Received Basic OP Issued		
Company: Smasal Aggregates	Received	Completed	Permit #	Days Used
Location: Cole Camp Creek Rd	7/11/2005	3/2/2006	032006-002	234
City: Cole Camp	Description:	Haul road watering		
County: Benton	Permit Type:	AP: IR Sec 5 & 6: Deminimis and Minor		
Project#: AP200507063	Status:	AP: Section 5 Permit Issued		
Company: Collins & Aikman	Received	Completed	Permit #	Days Used
Location: 4000 Waco Road	6/15/2004	3/29/2006	OP2006-017	652
City: Columbia	Description:	Auto Interior Parts		
County: Boone	Permit Type:	AOP: Intermediate Operating Permit		
Project#: AP200406063	Status:	AP: Operating Permit Issued		
Company: MFA Inc	Received	Completed	Permit #	Days Used
Location: 1009 4th St	11/26/2005	3/22/2006	OP	116
City: Jefferson City	Description:	Grain and fertilizer		
County: Callaway	Permit Type:	AOP: Basic Operating Permit Renewal		
Project#: AP200511093	Status:	AP: Received Basic OP Issued		

Company: Lake Asphalt at Shawnee Bend	Received	Completed	Permit #	Days Used
Location: T39N:R17W:S09:NE:NE Lake Rd T-T5H	1/18/2006	3/6/2006	032006-007	47
City: Osage Beach	Description: Asphalt - electrosu			
County: Camden	Permit Type: AP: IR Sec 5 & 6: D			
Project#: AP200601057	Status: AP: Section 5 Permit Issued			
Company: Procter & Gamble Paper Products	Received	Completed	Permit #	Days Used
Location: 14484 State Hwy 177	1/24/2006	3/30/2006		65
City: Cape Girardeau	Description: Confidentiality for 2006-01-080			
County: Cape Girardeau	Permit Type: AP: Confidentiality Request			
Project#: AP200601081	Status: AP: Request Approved			
Company: Martin Marietta Aggregates	Received	Completed	Permit #	Days Used
Location: Kissel Road	1/6/2006	3/20/2006		73
City: Greenwood	Description: Co-located equipment			
County: Cass	Permit Type: AP: IR Sec 5 & 6: D			
Project#: AP200601005	Status: AP: Application Withdrawn by Applicant			
Company: Remington Steel LLC	Received	Completed	Permit #	Days Used
Location: 971 N Jefferson	2/21/2006	3/27/2006		34
City: Kearney	Description: Concrete			
County: Clay	Permit Type: AP: IR Sec 5 & 6: D			
Project#: AP200602079	Status: AP: No Permit Required			
Company: Cultured Marble Products	Received	Completed	Permit #	Days Used
Location: 5216A US Bus 50 West	2/27/2006	3/6/2006	OP	7
City: Jefferson City	Description: Cultured Marble			
County: Cole	Permit Type: AOP: Basic Operating Permit Renewal			
Project#: AP200603001	Status: AP: Received Basic OP Issued			
Company: Jefferson City Landfill	Received	Completed	Permit #	Days Used
Location: 5605 Moreau Dr	2/17/2006	3/23/2006	OP2005-002	34
City: Jefferson City	Description: Responsible official			
County: Cole	Permit Type: AOP: Part 70 Operating Permit Admin. Amen			
Project#: AP200602093	Status: AP: Amendment Approved			
Company: N B West Contracting	Received	Completed	Permit #	Days Used
Location: 3105 HIGHWAY FF	12/28/2005	3/21/2006	032006-012	83
City: BOURBON	Description: Asphalt make stationary with colocation-BMP			
County: Crawford	Permit Type: AP: IR Sec 5 & 6: D			
Project#: AP200512056	Status: AP: Section 5 Permit Issued			
Company: Progressive Contractors - Hwy 19	Received	Completed	Permit #	Days Used
Location: 5922 MO Hwy 19	1/27/2006	3/23/2006	032006-014	55
City: Cuba	Description: Concrete			
County: Crawford	Permit Type: AP: IR Sec 5 & 6: D			
Project#: AP200601096	Status: AP: Section 5 Permit Issued			
Company: APAC-KS at Norris-Pattonsburch	Received	Completed	Permit #	Days Used
Location: T61N:R29W:S30:NE	2/10/2006	3/16/2006		34
City: Pattonburg	Description: Concrete - electrosu			
County: Daviess	Permit Type: AP: Sec 4: Relocate to New Site			
Project#: AP200602054	Status: AP: Section 4 Permit Issued			
Company: Magnet LLC - Stafford	Received	Completed	Permit #	Days Used
Location: 1200 Stafford St.	2/16/2006	3/23/2006		35
City: Washington	Description: Moving, consolidating plants			
County: Franklin	Permit Type: AP: Sec 5 & 6: D			
Project#: AP200602070	Status: AP: No Permit Required			

Company: The Meramec Group	Received	Completed	Permit #	Days Used
Location: 338 Ramsey St	1/17/2006	3/13/2006	032006-009	55
City: Sullivan	Description:	adding new molding operation		
County: Franklin	Permit Type:	AP: Sec 5 & 6: Dminimis and Minor		
Project#: AP200601049	Status:	AP: Section 5 Permit Issued		
Company: Ellis Scott Landfill	Received	Completed	Permit #	Days Used
Location: 61 NW 850	2/17/2006	3/22/2006	OP	33
City: Clinton	Description:	Responsible official		
County: Henry	Permit Type:	AOP: Basic Operating Permit Amendment		
Project#: AP200602092	Status:	AP: Amendment Approved		
Company: Allied Waste Ind Sanitary Landfill	Received	Completed	Permit #	Days Used
Location: 8300 INDIANA AVE	2/17/2006	3/23/2006	OP2003-037	34
City: Kansas City	Description:	Responsible official		
County: Jackson	Permit Type:	AOP: Part 70 Operating Permit Admin. Amen		
Project#: AP200602090	Status:	AP: Amendment Approved		
Company: APAC - Kansas - Independence Division	Received	Completed	Permit #	Days Used
Location: 1701 N M 291 HWY	1/30/2006	3/2/2006	032006-003	31
City: INDEPENDENCE	Description:	Rock Crushing - electrosab		
County: Jackson	Permit Type:	AP: Sec 5 & 6: Dminimis and Minor		
Project#: AP200601101	Status:	AP: Section 5 Permit Issued		
Company: Courtney Ridge Recycling & Disposal Faci	Received	Completed	Permit #	Days Used
Location: 2001 N. MO 291 Highway	2/17/2006	3/23/2006	OP2005-034	34
City: Sugar Creek	Description:	Responsible official		
County: Jackson	Permit Type:	AOP: Part 70 Operating Permit Admin. Amen		
Project#: AP200602094	Status:	AP: Amendment Approved		
Company: LaFarge Corporation - Sugar Creek	Received	Completed	Permit #	Days Used
Location: 4201 N RIVER BLVD	3/8/2006	3/29/2006		21
City: Sugar Creek	Description:	Alternate fuels evaluation		
County: Jackson	Permit Type:	AP: Applicability Determination Request		
Project#: AP200603035	Status:	AP: Closed out, per policy		
Company: Lake City Army Ammunition Plant	Received	Completed	Permit #	Days Used
Location: MO Hwy 78	2/9/2006	3/23/2006		42
City: Independence	Description:	Generator		
County: Jackson	Permit Type:	AP: Sec 5 & 6: Dminimis and Minor		
Project#: AP200602050	Status:	AP: No Permit Required		
Company: Tamko Roofing Products-High Street Plant	Received	Completed	Permit #	Days Used
Location: 601 N HIGH AVE	3/9/2006	3/29/2006		20
City: Joplin	Description:	Replace pneumatic pump		
County: Jasper	Permit Type:	AP: Applicability Determination Request		
Project#: AP200603038	Status:	AP: No Permit Required		
Company: Enersys Energy Products Inc	Received	Completed	Permit #	Days Used
Location: 617 N RIDGEVIEW DR	10/12/2005	3/10/2006	032006-008	149
City: Warrensburg	Description:	Batteries		
County: Johnson	Permit Type:	AP: Sec 5 & 6: Dminimis and Minor		
Project#: AP200510018	Status:	AP: Section 5 Permit Issued		
Company: Enersys Energy Products Inc	Received	Completed	Permit #	Days Used
Location: 617 N RIDGEVIEW DR	1/24/2006	3/7/2006		42
City: Warrensburg	Description:	Flow diagrams		
County: Johnson	Permit Type:	AP: Confidentiality Request		
Project#: AP200601067	Status:	AP: Decision Appealed		

Company: Enersys Energy Products Inc	Received	Completed	Permit #	Days Used
Location: 617 N RIDGEVIEW DR	2/21/2006	3/14/2006		21
City: Warrensburg	Description:	Flow changes		
County: Johnson	Permit Type:	AP: Applicability Determination Request		
Project#: AP200602100	Status:	AP: No Permit Required		
Company: Show-Me Regional/Autoshred Landfill	Received	Completed	Permit #	Days Used
Location: 230 SE 421ST RD	2/17/2006	3/1/2006	OP2001-008	12
City: Warrensburg	Description:	Responsible official		
County: Johnson	Permit Type:	AOP: Part 70 Operating Permit Admin. Amen		
Project#: AP200602091	Status:	AP: Closed out, per policy		
Company: West Central Agriservice, LLC	Received	Completed	Permit #	Days Used
Location: 103 Main	12/27/2005	3/22/2006		85
City: Centerview	Description:	Basic OP for Grain Elevator		
County: Johnson	Permit Type:	AOP: Basic Operating Permit		
Project#: AP200512048	Status:	AP: Received Basic OP Issued		
Company: Nationwide Trailer Company	Received	Completed	Permit #	Days Used
Location: 1611 Auglize	5/31/2005	3/29/2006		302
City: Lebanon	Description:	Trailers		
County: Laclede	Permit Type:	AP: Applicability Determination Request		
Project#: AP200601046	Status:	AP: Permit Required		
Company: St. John's Hospital	Received	Completed	Permit #	Days Used
Location: 100 Hospital Drive	3/6/2006	3/30/2006		24
City: Lebanon	Description:	Add 5.5 million btu boiler		
County: Laclede	Permit Type:	AP: Applicability Determination Request		
Project#: AP200603021	Status:	AP: No Permit Required		
Company: MFA Exchange - Lexington	Received	Completed	Permit #	Days Used
Location: Monroe St	12/22/2005	3/22/2006		90
City: Lexington	Description:	Grain elevator - Basic OP		
County: Lafayette	Permit Type:	AOP: Basic Operating Permit		
Project#: AP200512036	Status:	AP: Received Basic OP Issued		
Company: Toyota Motor Corp - Bodine Aluminum	Received	Completed	Permit #	Days Used
Location: 100 Cherry Blossom Way	12/27/2005	3/2/2006	032006-004	65
City: Troy	Description:	New casting line		
County: Lincoln	Permit Type:	AP: Sec 5 & 6: Deminimis and Minor		
Project#: AP200512045	Status:	AP: Section 5 Permit Issued		
Company: Simmons Foods Inc	Received	Completed	Permit #	Days Used
Location: 10700 MO Hwy 43 N	12/27/2005	3/6/2006	032006-005	69
City: Southwest City	Description:	Protein plant modifications		
County: McDonald	Permit Type:	AP: Sec 5 & 6: Deminimis and Minor		
Project#: AP200512046	Status:	AP: Section 6 Permit Issued		
Company: Norris Asphalt Paving Co - Mercer	Received	Completed	Permit #	Days Used
Location: T66N:R23W:S22:NW:SW County Hwy M	2/1/2006	3/14/2006	012005-004A	41
City: Mercer	Description:	Update Initial Site		
County: Mercer	Permit Type:	AP: IR Corrections & Amendments		
Project#: AP200602011	Status:	AP: Amendment Approved		
Company: Noranda Aluminum Inc	Received	Completed	Permit #	Days Used
Location: 391 St. Jude Industrial Park	2/14/2006	3/14/2006		28
City: New Madrid	Description:	Dust Collector		
County: New Madrid	Permit Type:	AP: Sec 5 & 6: Deminimis and Minor		
Project#: AP200602062	Status:	AP: No Permit Required		

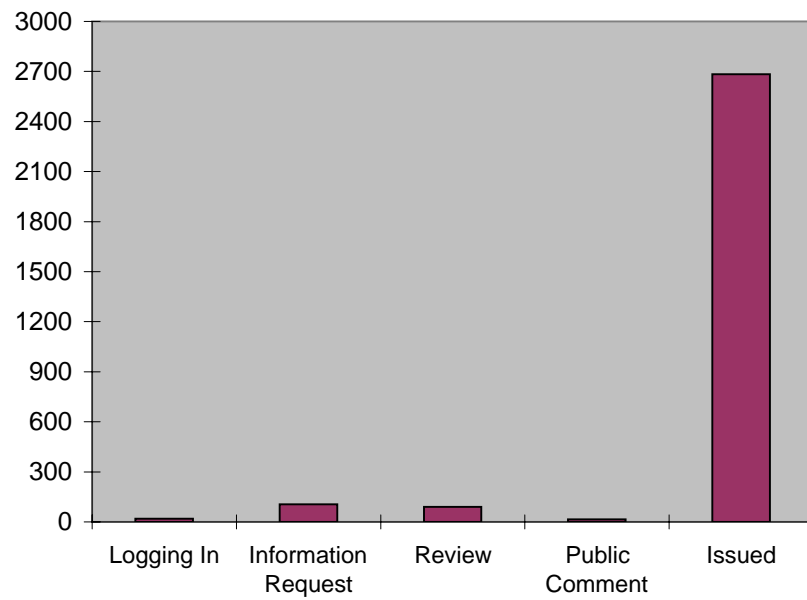
Company: Noranda Aluminum Inc	Received 2/27/2006	Completed 3/23/2006	Permit #	Days Used 24
Location: 391 St. Jude Industrial Park	Description: Re-route air flow			
City: New Madrid	Permit Type: AP: Applicability Determination Request			
County: New Madrid	Status: AP: No Permit Required			
Project#: AP200602099				
Company: Doss & Harper Stone Co	Received 2/21/2006	Completed 3/23/2006	Permit # 092005-020	Days Used 30
Location: T23N:R04W:S26:NW:SW	Description: Rock Crushing			
City: Couch	Permit Type: AP: Sec 4: Relocate to New Site			
County: Oregon	Status: AP: Section 4 Permit Issued			
Project#: AP200602075				
Company: Doss & Harper Stone Co	Received 3/7/2006	Completed 3/23/2006	Permit # 072002-015	Days Used 16
Location: T23N:R04W:S26:NW:SW	Description: Amend recordkeeping			
City: Couch	Permit Type: AP: IR Corrections & Amendments			
County: Oregon	Status: AP: Amendment Approved			
Project#: AP200603026				
Company: Doss & Harper Stone Co	Received 3/7/2006	Completed 3/23/2006	Permit # 062002-013	Days Used 16
Location: T23N:R04W:S26:NW:SW	Description: Amend recordkeeping			
City: Couch	Permit Type: AP: IR Corrections & Amendments			
County: Oregon	Status: AP: Amendment Approved			
Project#: AP200603024				
Company: Doss & Harper Stone Co	Received 3/7/2006	Completed 3/23/2006	Permit # 022005-012	Days Used 16
Location: T23N:R04W:S26:NW:SW	Description: Amend recordkeeping			
City: Couch	Permit Type: AP: IR Corrections & Amendments			
County: Oregon	Status: AP: Amendment Approved			
Project#: AP200603025				
Company: Bunge Corporation	Received 2/24/2006	Completed 3/20/2006	Permit # 012006-016	Days Used 24
Location: Riverfront Street	Description: Filter Conditions			
City: Caruthersville	Permit Type: AP: Corrections & Amendments			
County: Pemiscot	Status: AP: Amendment Approved			
Project#: AP200602084				
Company: MFA	Received 8/25/2003	Completed 3/2/2006	Permit # OP	Days Used 920
Location: 2200 Clinton Rd	Description: PTE < de minimus			
City: Sedalia	Permit Type: AOP: Applicability Determination Requests			
County: Pettis	Status: AP: No Permit Required			
Project#: AP200308089				
Company: Hunt Martin Materials	Received 1/24/2006	Completed 3/20/2006	Permit #	Days Used 55
Location: 7600 W MO Hwy 9	Description: Pilot screening plant - electrosb			
City: Parkville	Permit Type: AP: Temporary or Pilot Plant Permit			
County: Platte	Status: AP: Application Withdrawn by Applicant			
Project#: AP200601078				
Company: Doss & Harper Stone	Received 2/21/2006	Completed 3/6/2006	Permit # OP	Days Used 13
Location: PO Box 888	Description: Rock Crushing			
City: West Plains	Permit Type: AOP: Basic Operating Permit			
County: Portable Plant	Status: AP: Received Basic OP Issued			
Project#: AP200602095				
Company: Lake Ozark Sand and Gravel-Connor	Received 2/21/2006	Completed 3/17/2006	Permit #	Days Used 24
Location: Superior Rd	Description: Rock - electrosb			
City: St. Robert	Permit Type: AP: Sec 4: Relocate to New Site			
County: Pulaski	Status: AP: Section 4 Permit Issued			
Project#: AP200602078				

Company: Associated Electric (Thomas Hill Plant)	Received 2/2/2006	Completed 3/29/2006	Permit #	Days Used 55
Location: County Rd D149	Description: Boiler Floor Repair			
City: Clifton Hill	Permit Type: AP: Applicability Determination Request			
County: Randolph	Status: AP: No Permit Required			
Project#: AP200602030				
Company: Ideker at Capital Sand-Lexington	Received 1/12/2006	Completed 3/30/2006	Permit # 032006-015	Days Used 77
Location: MO Hwy 13	Description: Concrete			
City: Lexington	Permit Type: AP: Sec 5 & 6: Deminimis and Minor			
County: Ray	Status: AP: Section 5 Permit Issued			
Project#: AP200601039				
Company: APAC - MO	Received 3/9/2006	Completed 3/13/2006	Permit # 042005-020	Days Used 4
Location: County Rd 393	Description: Asphalt			
City: Marshall	Permit Type: AP: Sec 4: Relocate Approved Site			
County: Saline	Status: AP: Section 4 Permit Issued			
Project#: AP200603037				
Company: LaFarge Construction Materials	Received 11/21/2005	Completed 3/6/2006	Permit # 032006-006	Days Used 105
Location: County Rd 326	Description: Change distances, apply BMPs			
City: Marshall Junction	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor			
County: Saline	Status: AP: Section 5 Permit Issued			
Project#: AP200511065				
Company: Chinn Feed Mill	Received 1/9/2006	Completed 3/17/2006	Permit # 032006-011	Days Used 67
Location: 3937 MO Hwy 151	Description: Feed Mill			
City: Clarence	Permit Type: AP: Sec 5 & 6: Deminimis and Minor			
County: Shelby	Status: AP: Section 5 Permit Issued			
Project#: AP200601015				
Company: Midwest Stone LLC	Received 2/2/2006	Completed 3/23/2006	Permit #	Days Used 49
Location: 5199 CR 371	Description: Rock Crushing-electrosub			
City: Shelby	Permit Type: AP: Sec 4: Relocate to New Site			
County: Shelby	Status: AP: Section 4 Permit Issued			
Project#: AP200602022				
Company: O'Fallon Casting, LLC	Received 2/6/2006	Completed 3/20/2006	Permit #	Days Used 42
Location: 600 Cannonball Lane	Description: Add manipulator			
City: O'Fallon	Permit Type: AP: Applicability Determination Request			
County: St. Charles	Status: AP: No Permit Required			
Project#: AP200602025				
Company: K & D Crushing, Inc at Base Rock	Received 3/10/2006	Completed 3/31/2006	Permit # 072000-018	Days Used 21
Location: T37N:R04E:S30	Description: Rock Crushing			
City: Bonne Terre	Permit Type: AP: Sec 4: Relocate to New Site			
County: St. Francois	Status: AP: Application Withdrawn by Applicant			
Project#: AP200603042				
Company: Laclede Gas Bldg Mgd. By Sterling Prop.	Received 12/10/2004	Completed 3/17/2006	Permit # OP2006-015	Days Used 462
Location: 720 Olive Street	Description: Electrical generation and low-pressure steam f			
City: St. Louis	Permit Type: AOP: Part 70 Operating Permit Renewal			
County: St. Louis City	Status: AP: Operating Permit Issued			
Project#: AP200412055				
Company: Marquette Tool & Die	Received 2/14/2005	Completed 3/29/2006	Permit # OP2006-019	Days Used 408
Location: 3185 S Kingshighway	Description: Tools			
City: St. Louis	Permit Type: AOP: Part 70 Operating Permit Renewal			
County: St. Louis City	Status: AP: Operating Permit Issued			
Project#: AP200502055				

Company: Mid-West Industrial Chemical	Received 1/18/2005	Completed 3/29/2006	Permit # OP2006-018	Days Used 435
Location: 1509 Sublette	Description: Chemical Manufacturing			
City: St. Louis	Permit Type: AOP: Part 70 Operating Permit			
County: St. Louis City	Status: AP: Operating Permit Issued			
Project#: AP200501053				
Company: New World Pasta	Received 2/24/2005	Completed 3/17/2006	Permit # OP2006-016	Days Used 386
Location: 611 E Marceau	Description: Food			
City: St. Louis	Permit Type: AOP: Part 70 Operating Permit Renewal			
County: St. Louis City	Status: AP: Operating Permit Issued			
Project#: AP200502093				
Company: Procter & Gamble	Received 2/14/2006	Completed 3/15/2006	Permit # OP02006	Days Used 29
Location: 169 E Grand	Description: Premix Tank			
City: St. Louis	Permit Type: AOP: Basic Operating Permit Off-Permit Cha			
County: St. Louis City	Status: AP: Request Approved			
Project#: AP200602060				
Company: Raineri Building Materials	Received 1/17/2006	Completed 3/8/2006	Permit # OP	Days Used 50
Location: 6351 KNOX INDUSTRIAL DR	Description: Aggregate recordkeeping			
City: St. Louis	Permit Type: AOP: Basic Operating Permit Amendment			
County: St. Louis City	Status: AP: Amendment Approved			
Project#: AP200601052				
Company: Southwestern Bell Telephone	Received 10/12/2004	Completed 3/29/2006	Permit # OP2006-020	Days Used 533
Location: 801 Chestnut	Description: Electronics			
City: St. Louis	Permit Type: AOP: Part 70 Operating Permit Renewal			
County: St. Louis City	Status: AP: Operating Permit Issued			
Project#: AP200410022				
Company: Ash Grove Aggregates - Seagraves	Received 11/15/2005	Completed 3/2/2006	Permit # 032006-001	Days Used 107
Location: T38N:R32W:S35 2.75 Mi W of US Hwy 71	Description: New quarry - electrosb			
City: Rich Hill	Permit Type: AP: IR Sec 5 & 6: Deminimis and Minor			
County: Vernon	Status: AP: Section 5 Permit Issued			
Project#: AP200511042				
Company: Purcell Tire & Rubber Company	Received 5/29/2003	Completed 3/7/2006	Permit # OP2006-014	Days Used 1013
Location: 301 N HALL ST	Description: Tire Recapping			
City: Potosi	Permit Type: AOP: Intermediate Operating Permit Renewal			
County: Washington	Status: AP: Operating Permit Issued			
Project#: AP200305129				
Company: Ozark Hardwood Products, LLC	Received 11/1/2005	Completed 3/22/2006	Permit # 032006-013	Days Used 141
Location: T29N:R17W:S36 Jct Hwy AB&Hwy C	Description: Wood Pellet Mill			
City: Seymour	Permit Type: AP: Sec 5 & 6: Deminimis and Minor			
County: Webster	Status: AP: Section 5 Permit Issued			
Project#: AP200511004				

Operating Permit Progress Report as of 04-03-2006

		Permit Log In	Info Requests	APCP Review	Public Review	Issued	Total
Applicability Determination Requests	Subtotal	0	18	6	0	356	380
	% of total	0%	5%	2%	0%	94%	13%
Basic Permits	Subtotal	8	22	21	0	891	942
	% of total	1%	2%	2%	0%	95%	32%
Intermediate Permits	Subtotal	2	5	14	3	316	340
	% of total	1%	1%	4%	1%	93%	12%
Part 70 Permits	Subtotal	0	7	17	4	450	478
	% of total	0%	1%	4%	1%	94%	16%
Phase II Acid Rain Permits	Subtotal	0	1	0	1	49	51
	% of total	0%	2%	0%	2%	96%	2%
Local Permits	Subtotal	0	0	0	0	205	205
	% of total	0%	0%	0%	0%	100%	7%
Permit Modifications	Subtotal	9	52	32	8	417	518
	% of total	2%	10%	6%	2%	81%	18%
All Permits	Total	19	105	90	16	2684	2914
	% of total	1%	4%	3%	1%	92%	



RULE AND SIP AGENDA

April 27, 2006
Jefferson City, MO

ACTIONS FOR PUBLIC HEARING:

- * 2002 Base Year Emissions Inventory for the Missouri Portion of the St. Louis 8-Hour Ozone Nonattainment Area

The Missouri Department of Natural Resources is required to submit a base year emissions inventory for the St. Louis 8-hour ozone nonattainment area to the U.S. Environmental Protection Agency by June 2006. The base year inventory is for calendar year 2002. It is a comprehensive inventory of all emissions of volatile organic compound (VOC), oxides of nitrogen (NO_x), and carbon monoxide (CO), which are the pollutants that contribute to ozone formation. The inventory includes emissions from stationary point and area sources, onroad and offroad mobile sources, and biogenic sources within the Missouri portion of the St. Louis ozone nonattainment area.

ACTIONS TO BE VOTED ON:

(None Scheduled)

May 25, 2006
West Plains, MO

ACTIONS FOR PUBLIC HEARING:

(None Scheduled)

ACTIONS TO BE VOTED ON:

(None Scheduled)

PUBLIC HEARING ON
PROPOSED REVISION TO
THE MISSOURI STATE IMPLEMENTATION PLAN –
2002 BASE YEAR EMISSIONS INVENTORY FOR THE MISSOURI PORTION OF
THE ST. LOUIS 8-HOUR OZONE NONATTAINMENT AREA

The Missouri Department of Natural Resources is required to submit a base year emissions inventory for the St. Louis 8-hour ozone nonattainment area to the U.S. Environmental Protection Agency by June 2006. The base year inventory is for calendar year 2002. It is a comprehensive inventory of all emissions of volatile organic compound (VOC), oxides of nitrogen (NO_x), and carbon monoxide (CO), which are the pollutants that contribute to ozone formation. The inventory includes emissions from stationary point and area sources, onroad and offroad mobile sources, and biogenic sources within the Missouri portion of the St. Louis ozone nonattainment area.

The complete base year inventory document has not been reprinted in the briefing document due to its volume. The entire document is available for review at the Missouri Department of Natural Resources, Air Pollution Control Program, 1659 East Elm Street, PO Box 176, Jefferson City, MO 65102-0176. It is also available online at <http://www.dnr.mo.gov/env/apcp/sipworkgrp/sipgrpmain.htm>.

If the commission adopts this plan action, it will be the department's intention to submit this plan to the U.S. Environmental Protection Agency for inclusion in the Missouri State Implementation Plan.

2002 Base Year Emissions Inventory for the Missouri Portion of the St. Louis 8-Hour Ozone Nonattainment Area

March 23, 2006

**Missouri Department of Natural Resources
Division of Environmental Quality
Air Pollution Control Program**

**1659 E. Elm Street
Jefferson City, MO 65102**

(573)751-4817

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I. INTRODUCTION

The St. Louis area is currently designated as a moderate nonattainment area for the 8-hour ozone standard. In Missouri, the nonattainment area encompasses the City of St. Louis and Franklin, Jefferson, St. Charles, and St. Louis Counties. Part II of the Final Rule to Implement the 8-Hour Ozone National Ambient Air Quality Standard requires the Missouri Department of Natural Resources' Air Pollution Control Program (MDNR APCP) to develop a base year inventory for calendar year 2002 for the St. Louis ozone nonattainment area. The base year inventory must be submitted to the U.S. Environmental Protection Agency (EPA) by June 2006. This document fulfills the 8-hour ozone base year inventory requirement for the Missouri portion of the St. Louis nonattainment area.

This inventory conforms to the EPA's *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations* (August 2005). It is comprehensive and current for all 2002 actual emissions of the pollutants that contribute to ozone formation in the St. Louis nonattainment area: volatile organic compounds (VOC), oxides of nitrogen (NO_x), and carbon monoxide (CO). It includes emissions from stationary point and area sources, onroad and offroad mobile sources, and biogenic sources within the St. Louis ozone nonattainment area. Both annual and ozone season day (OSD) emissions are included. Ozone season day emissions are defined as emissions occurring during a typical weekday during the high ozone season, which is June through August.

The base year inventory will be the foundation for the reasonable further progress (RFP) demonstration that MDNR will submit to the EPA by June 2007. RFP is a demonstration that incremental reductions will be achieved to provide steady progress toward attainment of the 8-hour ozone standard in the St. Louis area. The RFP inventory will be developed from the base year inventory to calculate the emission reduction target(s) for the St. Louis area and provide the baseline for calculating emission reductions associated with implementation of any control measures that might be adopted in the State Implementation Plan (SIP). The RFP inventory will account for economic growth and emissions controls expected to occur from the base year to the year for which emission reduction targets must be met.

This inventory is a subset of an inventory being developed in support of the St. Louis ozone and PM_{2.5} photochemical modeling effort and attainment demonstration that will be submitted to the EPA by June 2007. The modeling inventory is broader in scope in terms of pollutants included and geographic area covered. In addition to VOC, NO_x, and CO, the modeling inventory contains directly emitted PM_{2.5} and emissions of sulfur dioxide and ammonia, both of which contribute to PM_{2.5} formation. The modeling inventory spans the entire modeling domain consisting of the continental U.S. plus portions of Canada and Mexico.

While the base year inventory is consistent in many ways with the modeling inventory within the St. Louis nonattainment area, there are key differences. Whereas the base year inventory represents typical emissions, the modeling inventory includes episode-specific emissions. The main differences are in the onroad mobile and biogenic emissions estimates: average temperature data are used in the base year inventory but episode-specific meteorology is used in

the modeling inventory. Another difference is in the point source inventory. For large point sources, emissions in the base year inventory are based on typical operations, while day- and hour-specific Continuous Emissions Monitoring (CEM) data are used where available in the modeling inventory.

MDNR APCP prepared an inventory for the 2002 National Emissions Inventory (NEI) as required by the Consolidated Emissions Reporting Rule (CERR). However, subsequent to submitting the data to the 2002 NEI, substantial revisions and improvements were made through the Central Regional Air Planning Association (CENRAP) workgroup process for regional haze planning and analysis. The base year inventory for St. Louis is a composite of inventory data prepared by MDNR APCP and data generated through the CENRAP process.

A number of agencies and stakeholders have been involved in the development and quality-assurance of the inventory data summarized in this document. As mentioned above, much of the inventory work completed through the CENRAP workgroup process has been incorporated. More information on the CENRAP process and participants can be found at <http://www.cenrap.org>. In addition, MDNR APCP has been working closely with the Illinois Environmental Protection Agency (IEPA), EPA Region 7, and other stakeholders in the development of the modeling inventory in support of the 8-hour ozone and PM_{2.5} SIPs and attainment demonstrations. Information about the St. Louis SIP workgroup process can be found at <http://www.dnr.mo.gov/env/apcp/sipworkgrp/sipgrpmain.htm>.

Section II of this document discusses the emission statement requirement for the 8-hour ozone standard. Section III gives an overview of 2002 annual and ozone season day emissions of VOC, NO_x, and CO in the St. Louis nonattainment area by county and source type (i.e., point, area, offroad mobile, onroad mobile, biogenic). Sections IV through VII present the point, area, offroad mobile, and onroad mobile emissions by source category and briefly discuss the methods and data used to develop these individual elements of the inventory. Section VIII provides information on the base year biogenic emissions estimates that were prepared by EPA.

II. EMISSION STATEMENT REQUIREMENT

Section 182(a)(3)(B) of the 1990 Clean Air Act Amendments requires all states with ozone nonattainment areas to require emission statements from sources of VOC and NO_x. In January 1994, MDNR submitted a revision to the Missouri SIP that demonstrated compliance with this requirement. The emission statement SIP was publicly heard on July 29, 1993 and August 26, 1993. It was voted on and approved by the Missouri Air Conservation Commission on September 30, 1993.

Shortly after this submission, the department modified the annual reporting forms that individual sources used to report their emissions. These reporting requirements are currently specified in 10 CSR 10-6.110. The 2002 Emission Inventory Questionnaires (EIQs) are provided in Appendix A. The forms provide the mechanism that the department uses to collect the information required by Section 182(a)(3)(B), including the name, location, address, geographical location, the industrial classification codes, and the operational activity and process rates related to the ozone season. The forms also require the identification of emission controls and control efficiencies, as well as the emission factors and emission calculation methods. The forms also provide the necessary certification from the sources that the data is accurate.

Section 182(a)(3)(B) also created the requirement for states to submit this data to EPA. This data submission is now conducted in compliance with the CERR.

III. SUMMARY OF 2002 BASE YEAR EMISSIONS INVENTORY

A. Anthropogenic Emissions

Anthropogenic emissions are emissions resulting from human activities and are broadly classified into the point, area, offroad mobile, and onroad mobile source types. This section gives an overview of total anthropogenic emissions in the St. Louis nonattainment area. Sections IV through VII discuss point, area, offroad mobile, onroad mobile source emissions in greater detail.

Table 1 summarizes total 2002 annual and ozone season day anthropogenic emissions in the St. Louis nonattainment counties. Figures 1, 2, and 3 present the ozone season day emissions in pie chart format for VOC, NO_x, and CO, respectively. Table 2 summarizes the data by county and source type.

Table 1. 2002 Anthropogenic Emissions by Source Type

Source Type	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD	NO _x tons/yr	NO _x tons/OSD	NO _x lbs/OSD	CO tons/yr	CO tons/OSD	CO lbs/OSD
Point	10,868.4	29.0	58,004.7	44,018.3	126.8	253,606.3	9,207.0	26.4	52,897.2
Area	28,947.0	73.3	146,580.3	10,014.2	19.1	38,160.5	20,976.8	30.6	61,266.8
Offroad Mobile	13,881.3	45.3	90,548.9	19,329.0	60.2	120,397.4	188,365.9	642.6	1,285,216.5
Onroad Mobile	25,973.0	68.2	136,323.0	60,311.7	159.0	318,042.4	399,726.4	863.5	1,726,936.8
Totals	79,669.7	215.7	431,456.9	133,673.2	365.1	730,206.7	618,276.1	1,563.2	3,126,317.2

Figure 1. 2002 VOC Emissions for a Typical Ozone Season Day in the St. Louis Nonattainment Area by Source Type -- Total 215.7 tons/OSD

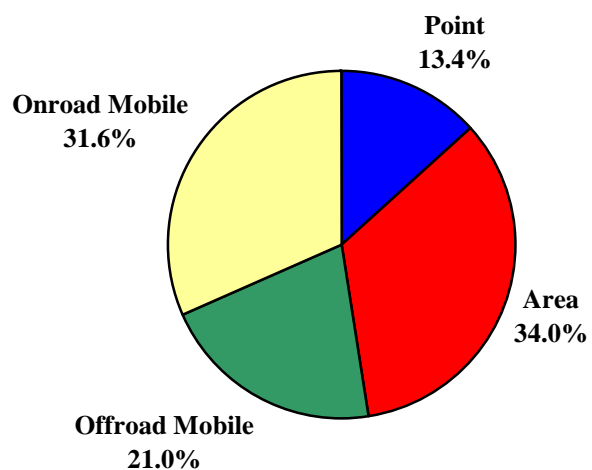


Figure 2. 2002 NO_x Emissions for a Typical Ozone Season Day in the St. Louis Nonattainment Area by Source Type -- Total 365.1 tons/OSD

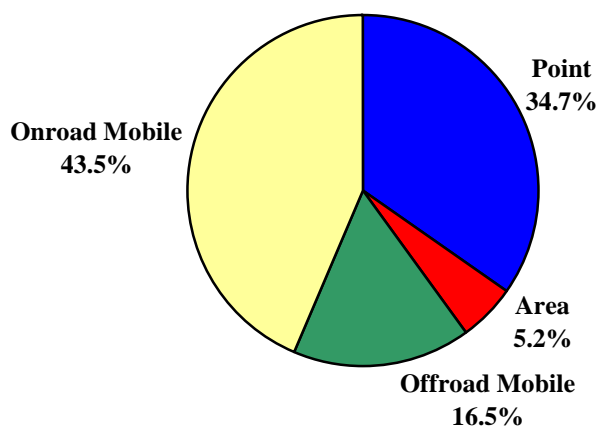


Figure 3. 2002 CO Emissions for a Typical Ozone Season Day in the St. Louis Nonattainment Area by Source Type -- Total 1,563.2 tons/OSD

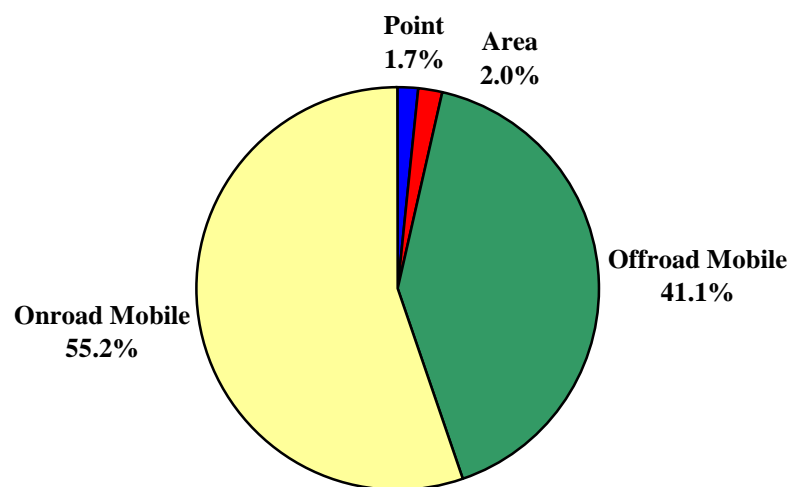


Table 2. 2002 Anthropogenic Emissions by County and Source Type

Source Type	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD	NOx tons/yr	NOx tons/OSD	NOx lbs/OSD	CO tons/yr	CO tons/OSD	CO lbs/OSD
FRANKLIN COUNTY									
Point	814.0	2.4	4,892.8	7,850.9	24.2	48,478.7	2,119.2	6.6	13,149.5
Area	1,917.7	3.7	7,330.8	705.9	1.7	3,438.7	4,819.9	6.9	13,703.7
Offroad Mobile	790.8	2.7	5,316.7	1,584.3	4.8	9,565.8	6,233.5	22.2	44,406.7
Onroad Mobile	1,911.1	4.8	9,670.0	4,937.6	12.9	25,721.5	32,627.0	69.8	139,633.0
Franklin Co. Totals	5,433.6	13.6	27,210.3	15,078.6	43.6	87,204.6	45,799.7	105.4	210,892.9
JEFFERSON COUNTY									
Point	664.0	1.9	3,799.7	9,202.1	26.0	51,925.6	2,065.1	5.8	11,544.7
Area	3,541.3	8.3	16,559.4	660.4	1.4	2,802.6	7,697.6	15.6	31,131.6
Offroad Mobile	1,170.4	3.9	7,817.6	1,780.9	5.3	10,587.2	12,934.5	44.6	89,186.5
Onroad Mobile	2,523.5	6.6	13,283.0	5,807.4	15.3	30,657.6	38,500.1	83.2	166,471.0
Jefferson Co. Totals	7,899.3	20.7	41,459.7	17,450.9	48.0	95,973.0	61,197.4	149.2	298,333.9
ST. CHARLES COUNTY									
Point	1,450.6	2.9	5,845.3	14,553.7	46.0	92,069.9	1,081.8	3.4	6,805.9
Area	3,421.1	8.4	16,852.2	1,224.9	2.3	4,690.6	3,059.7	1.2	2,394.2
Offroad Mobile	2,241.9	7.0	13,919.7	2,139.8	7.0	13,966.0	22,910.1	76.7	153,493.3
Onroad Mobile	3,412.2	9.0	17,960.4	7,852.5	20.7	41,453.4	52,057.6	112.5	225,092.2
St. Charles Co. Totals	10,525.8	27.3	54,577.6	25,770.9	76.1	152,179.9	79,109.2	193.9	387,785.7
ST. LOUIS COUNTY									
Point	4,146.2	11.2	22,320.8	10,416.9	25.2	50,459.9	2,651.7	7.4	14,734.3
Area	15,326.9	40.4	80,829.9	5,320.9	9.7	19,347.1	4,123.2	5.2	10,424.3
Offroad Mobile	8,123.5	26.4	52,712.7	9,642.8	31.2	62,408.2	121,829.3	408.9	817,836.5
Onroad Mobile	14,194.1	37.4	74,712.8	32,665.2	86.2	172,440.1	216,552.0	468.2	936,350.8
St. Louis Co. Totals	41,790.7	115.3	230,576.1	58,045.8	152.3	304,655.3	345,156.1	889.7	1,779,345.9
CITY OF ST. LOUIS									
Point	3,793.6	10.6	21,146.1	1,994.7	5.3	10,672.2	1,289.1	3.3	6,662.6
Area	4,740.0	12.5	25,008.1	2,102.2	3.9	7,881.5	1,276.3	1.8	3,613.0
Offroad Mobile	1,554.7	5.4	10,782.2	4,181.2	11.9	23,870.3	24,458.5	90.1	180,293.4
Onroad Mobile	3,932.1	10.3	20,697.1	9,049.0	23.9	47,769.7	59,989.7	129.7	259,390.0
City of St. Louis Totals	14,020.3	38.8	77,633.4	17,327.0	45.1	90,193.7	87,013.7	225.0	449,959.0
Totals	79,669.7	215.7	431,457.1	133,673.1	365.1	730,206.6	618,276.1	1,563.2	3,126,317.4

B. Biogenic Emissions

Biogenic emissions sources are natural (i.e., non-anthropogenic) sources of emissions. Table 3 summarizes 2002 biogenic emissions by county. Section VIII discusses biogenic emissions in more detail.

Table 3. 2002 Biogenic Emissions by County

County	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD	NO _x tons/yr	NO _x tons/OSD	NO _x lbs/OSD	CO tons/yr	CO tons/OSD	CO lbs/OSD
Franklin	19,076.3	131.0	262,008.6	226.4	0.9	1,796.1	1,476.2	8.9	17,784.8
Jefferson	15,241.3	103.4	206,781.6	137.7	0.6	1,117.4	1,212.2	7.2	14,428.3
St. Charles	9,868.1	66.7	133,409.0	205.8	0.8	1,632.2	884.0	5.3	10,569.6
St. Louis	8,861.7	59.1	118,287.8	192.5	0.8	1,525.7	815.6	4.8	9,502.2
City of St. Louis	3,831.1	25.6	51,149.0	124.0	0.5	990.2	425.6	2.5	5,056.7
Totals	56,878.5	385.8	771,635.9	886.5	3.5	7,061.5	4,813.6	28.7	57,341.5

IV. POINT SOURCE EMISSIONS

Point sources are large, stationary, identifiable sources of emissions. MDNR defines point sources as sources with a Basic, Intermediate, or Part 70 operating permit that must report their actual emissions to MDNR on an annual basis.

A. Emissions Summary

Tables 4, 5, and 6 summarize total 2002 St. Louis nonattainment area point source emissions of VOC, NO_x, and CO, respectively. The tables summarize the emissions by source category and are sorted from highest to lowest ozone season day emissions. Emissions for individual facilities located in the St. Louis nonattainment area are listed in Table A-1 in Appendix A.

Table 4. 2002 VOC Emissions from Point Sources by Source Category

Point Source Category	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD
Solvent Utilization - Surface Coating	3,956.1	10.0	19,974.5
Solvent Utilization - Other Industrial	2,233.7	6.1	12,106.0
Solvent Utilization - Graphic Arts	765.9	2.2	4,400.5
Fuel Comb. Elec. Util. - Coal	642.4	1.9	3,734.2
Solvent Utilization - Degreasing	704.7	1.7	3,314.9
Other Industrial Processes - Agriculture, Food, & Kindred Products	321.6	0.9	1,875.7
Other Industrial Processes - Mineral Products	244.3	0.7	1,432.2
Chemical & Allied Product Mfg - Other Chemical Mfg	246.7	0.6	1,294.4
Chemical & Allied Product Mfg - Paint, Varnish, Lacquer, Enamel Mfg	165.2	0.5	1,022.3
Other Industrial Processes - Miscellaneous Industrial Processes	202.8	0.5	972.5
Metals Processing - Non-Ferrous Metals Processing	138.9	0.4	764.5
Storage & Transport - Organic Chemical Storage	129.7	0.4	737.5
Chemical & Allied Product Mfg - Polymer & Resin Mfg	121.0	0.4	717.9
Other Industrial Processes - Rubber & Miscellaneous Plastic Products	120.3	0.3	668.2
Metals Processing - Ferrous Metals Processing	86.1	0.3	504.4
Waste Disposal & Recycling - Landfills	91.5	0.3	500.9
Chemical & Allied Product Mfg - Organic Chemical Mfg	82.1	0.2	476.7
Chemical & Allied Product Mfg - Pharmaceutical Mfg	64.3	0.2	391.5
Petroleum & Related Industries - Asphalt Manufacturing	35.9	0.2	383.6
Storage & Transport - Bulk Terminals & Plants	66.6	0.2	378.2
Petroleum & Related Industries - Petroleum Refineries & Related Industries	59.9	0.2	363.7
Waste Disposal & Recycling - POTW	48.7	0.1	290.1
Waste Disposal & Recycling - Incineration	55.1	0.1	240.5
Chemical & Allied Product Mfg - Inorganic Chemical Mfg	39.7	0.1	201.0
Storage & Transport - Service Stations: Stage II	45.3	0.1	185.7
Fuel Comb. Industrial - Gas	34.2	0.1	145.0
Storage & Transport - Petroleum & Petroleum Product Storage	24.2	0.1	132.8

Point Source Category	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD
Storage & Transport - Petroleum & Petroleum Product Transport	20.4	0.1	110.7
Waste Disposal & Recycling - Industrial Waste Water	19.7	0.1	109.4
Fuel Comb. Other - Commercial/Institutional Gas	19.1	0.0	92.4
Other Industrial Processes - Machinery Products	16.7	0.0	91.9
Fuel Comb. Industrial - Internal Combustion	13.0	0.0	88.2
Chemical & Allied Product Mfg - Agricultural Chemical Mfg	10.1	0.0	57.2
Storage & Transport - Organic Chemical Transport	7.8	0.0	46.5
Petroleum & Related Industries - Oil & Gas Production	7.1	0.0	40.9
Fuel Comb. Elec. Util. - Other	5.8	0.0	36.2
Fuel Comb. Industrial - Coal	6.3	0.0	31.4
Fuel Comb. Elec. Util. - Internal Combustion	4.2	0.0	30.3
Solvent Utilization - Dry Cleaning	3.2	0.0	20.4
Fuel Comb. Elec. Util. - Gas	2.4	0.0	9.6
Fuel Comb. Industrial - Other	1.7	0.0	8.4
Miscellaneous - Health Services	1.3	0.0	7.0
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	0.6	0.0	3.1
Storage & Transport - Service Stations: Stage I	0.5	0.0	3.0
Fuel Comb. Other - Commercial/Institutional Oil	0.4	0.0	1.7
Other Industrial Processes - Textiles, Leather, & Apparel Products	0.2	0.0	1.6
Other Industrial Processes - Wood, Pulp & Paper, & Publishing Products	0.1	0.0	1.3
Fuel Comb. Elec. Util. - Oil	0.7	0.0	1.2
Waste Disposal & Recycling - TSDF	0.2	0.0	1.1
Other Industrial Processes - Electronic Equipment	0.1	0.0	0.8
Metals Processing - Metals Processing NEC	0.1	0.0	0.7
Fuel Comb. Industrial - Oil	0.1	0.0	0.2
Point Source VOC Totals in St. Louis Nonattainment Area	10,868.4	29.0	58,004.7

Table 5. 2002 NOx Emissions from Point Sources by Source Category

Point Source Category	NOx tons/yr	NOx tons/OSD	NOx lbs/OSD
Fuel Comb. Elec. Util. - Coal	35,324.9	102.4	204,739.7
Other Industrial Processes - Mineral Products	5,227.2	15.4	30,785.4
Fuel Comb. Industrial - Coal	1,388.9	3.5	7,015.3
Fuel Comb. Industrial - Gas	687.2	1.5	2,944.3
Fuel Comb. Industrial - Internal Combustion	423.6	1.3	2,673.2
Fuel Comb. Other - Commercial/Institutional Gas	300.6	0.7	1,389.6
Fuel Comb. Elec. Util. - Internal Combustion	202.1	0.7	1,369.7
Waste Disposal & Recycling - Incineration	165.8	0.4	788.1
Petroleum & Related Industries - Asphalt Manufacturing	61.7	0.3	608.5
Waste Disposal & Recycling - Landfills	55.7	0.2	317.1
Fuel Comb. Elec. Util. - Other	0.0	0.1	230.8
Other Industrial Processes - Miscellaneous Industrial Processes	41.5	0.1	229.0
Fuel Comb. Elec. Util. - Gas	31.4	0.1	122.1
Chemical & Allied Product Mfg - Polymer & Resin Mfg	12.5	0.0	68.6
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	11.4	0.0	63.9
Metals Processing - Non-Ferrous Metals Processing	11.5	0.0	62.6
Other Industrial Processes - Machinery Products	8.9	0.0	45.2
Fuel Comb. Industrial - Other	7.9	0.0	41.9
Fuel Comb. Other - Commercial/Institutional Oil	6.2	0.0	26.5
Fuel Comb. Industrial - Oil	6.4	0.0	24.3
Metals Processing - Ferrous Metals Processing	4.3	0.0	22.7
Chemical & Allied Product Mfg - Agricultural Chemical Mfg	2.1	0.0	11.5
Other Industrial Processes - Rubber & Miscellaneous Plastic Products	1.8	0.0	10.7
Storage & Transport - Petroleum & Petroleum Product Transport	1.4	0.0	7.5
Fuel Comb. Other - Commercial/Institutional Coal	6.2	0.0	7.4
Fuel Comb. Elec. Util. - Oil	27.1	0.0	0.0
Point Source NOx Totals in St. Louis Nonattainment Area	44,018.2	126.8	253,605.8

Table 6. 2002 CO Emissions from Point Sources by Source Category

Point Source Category	CO tons/yr	CO tons/OSD	CO lbs/OSD
Fuel Comb. Elec. Util. - Coal	4,694.8	13.5	26,934.2
Other Industrial Processes - Mineral Products	911.6	2.7	5,425.4
Waste Disposal & Recycling - Landfills	839.7	2.3	4,597.9
Petroleum & Related Industries - Asphalt Manufacturing	407.6	2.1	4,124.2
Waste Disposal & Recycling - Incineration	785.8	2.0	3,906.5
Fuel Comb. Industrial - Internal Combustion	418.0	1.3	2,520.4
Fuel Comb. Industrial - Gas	482.3	1.1	2,105.2
Fuel Comb. Industrial - Coal	282.8	0.7	1,391.7
Fuel Comb. Other - Commercial/Institutional Gas	195.1	0.4	873.8
Fuel Comb. Elec. Util. - Other	51.1	0.2	316.9
Fuel Comb. Elec. Util. - Internal Combustion	28.3	0.1	196.0
Fuel Comb. Elec. Util. - Gas	38.5	0.1	163.7
Chemical & Allied Product Mfg - Polymer & Resin Mfg	17.1	0.0	93.5
Metals Processing - Ferrous Metals Processing	13.6	0.0	74.1
Fuel Comb. Industrial - Other	13.2	0.0	67.5
Fuel Comb. Elec. Util. - Oil	8.1	0.0	30.5
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	3.5	0.0	19.6
Other Industrial Processes - Rubber & Miscellaneous Plastic Products	3.1	0.0	18.8
Storage & Transport - Petroleum & Petroleum Product Transport	3.4	0.0	18.6
Fuel Comb. Other - Commercial/Institutional Coal	5.0	0.0	5.9
Fuel Comb. Other - Commercial/Institutional Oil	2.7	0.0	5.8
Fuel Comb. Industrial - Oil	1.2	0.0	3.8
Other Industrial Processes - Machinery Products	0.5	0.0	2.7
Metals Processing - Non-Ferrous Metals Processing	0.1	0.0	0.4
Point Source CO Totals in St. Louis Nonattainment Area	9,207.0	26.4	52,897.1

B. Overview of Base Year Point Source Inventory Development

The 2002 point source inventory is based on information reported by facilities on EIQs. The 2002 EIQ data collection process was conducted by MDNR APCP and the local air pollution agencies of St. Louis County and the City of St. Louis. As the coordinating agency for point source inventory development, the MDNR APCP performed the overall quality-assurance procedures and submitted the data to the 2002 NEI to meet the requirements of the CERR. Appendix A contains the 2002 EIQ packet that was mailed to facilities in January 2003 and the Quality Assurance Project Plan for fiscal year 2002-2003 that describes the point source data collection and quality-assurance procedures in greater detail.

Following submission of the Missouri point source inventory to the 2002 NEI, additional quality assurance and revision of the data was completed through the CENRAP process. Pechan, through a contract with CENRAP, obtained the Missouri point source inventory and worked with

MDNR APCP to make corrections where needed. In particular, an error that resulted in the double-counting of some emission units was corrected. Pechan also converted the point source inventory to the Sparse Matrix Operator Kernel Emissions/Inventory Data Analyzer (SMOKE/IDA) format. Pechan's work is described in detail in the two documents included in Appendix B: *The Consolidation of Emissions Inventories* (April 28, 2005) and *Refinement of CENRAP's 2002 Emissions Inventories* (August 31, 2005).

The SMOKE/IDA-formatted file prepared by Pechan was considered to be the most accurate and current version of the 2002 Missouri point source inventory and therefore was used as the basis for the base year inventory summarized in this document. The file contains annual emissions for all point sources and ozone season day emissions where this information was provided in EIQs. Because ozone season day emissions information was not complete, the SMOKE model was used to calculate typical ozone day emissions for all point sources in the St. Louis nonattainment area in order to apply consistent procedures to all sources. Appendix C describes how the typical ozone season day emissions were calculated.

V. AREA SOURCE EMISSIONS

Area sources are stationary sources that do not qualify as point sources under the relevant emissions cutoffs. Area sources encompass more widespread sources that may be abundant but individually release small amounts of a given pollutant. Examples of area sources include autobody painting, fires, and consumer solvent use.

A. Emissions Summary

Tables 7, 8, and 9 summarize the total 2002 VOC, NO_x, and CO area source emissions for the St. Louis nonattainment area by source category. The tables are sorted from highest to lowest ozone season day emissions. Table D-2 in Appendix D presents the 2002 area source inventory at the more detailed Source Classification Code (SCC) level.

Table 7. 2002 VOC Emissions from Area Sources by Source Category

Area Source Category	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD
Solvent Utilization - Surface Coating	8,968.9	24.9	49,873.0
Solvent Utilization - Nonindustrial	6,626.4	18.4	36,702.0
Solvent Utilization - Degreasing	3,688.2	10.2	20,392.2
Storage & Transport - Petroleum & Petroleum Product Storage	3,194.7	8.8	17,604.4
Solvent Utilization - Graphic Arts	1,543.4	4.3	8,533.1
Waste Disposal & Recycling - Open Burning	770.1	2.1	4,219.6
Waste Disposal & Recycling - Landfills	560.7	1.5	3,072.5
Other Industrial Processes - Agriculture, Food, & Kindred Products	301.0	0.9	1,840.0
Solvent Utilization - Dry Cleaning	252.9	0.7	1,414.6
Fuel Comb. Other - Residential Wood	2,290.6	0.4	756.4
Fuel Comb. Industrial - Gas	72.0	0.2	397.5
Waste Disposal & Recycling - Incineration	71.8	0.2	393.3
Miscellaneous - Other Combustion	220.1	0.2	310.5
Fuel Comb. Other - Commercial/Institutional Gas	73.7	0.1	245.1
Fuel Comb. Industrial - Oil	38.8	0.1	214.3
Storage & Transport - Petroleum & Petroleum Product Transport	34.7	0.1	190.0
Fuel Comb. Other - Commercial/Institutional Coal	39.8	0.1	132.3
Fuel Comb. Industrial - Other	15.0	0.0	82.9
Fuel Comb. Other - Residential Other	158.1	0.0	82.7
Fuel Comb. Other - Commercial/Institutional Oil	9.3	0.0	31.1
Fuel Comb. Industrial - Coal	5.1	0.0	28.3
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	4.6	0.0	25.4
Waste Disposal & Recycling - Other	3.7	0.0	20.5
Storage & Transport - Service Stations: Stage II	1.5	0.0	8.1
Storage & Transport - Service Stations: Breathing & Emptying	1.4	0.0	7.4
Storage & Transport - Service Stations: Stage I	0.6	0.0	3.2
Area Source VOC Totals in St. Louis Nonattainment Area	28,947.0	73.3	146,580.3

Table 8. 2002 NOx Emissions from Area Sources by Source Category

Area Source Category	NOx tons/yr	NOx tons/OSD	NOx lbs/OSD
Fuel Comb. Industrial - Coal	1,878.0	5.2	10,374.0
Fuel Comb. Industrial - Gas	1,308.4	3.6	7,227.7
Fuel Comb. Other - Commercial/Institutional Gas	1,340.1	2.2	4,455.8
Fuel Comb. Industrial - Oil	680.9	1.9	3,761.1
Fuel Comb. Industrial - Other	570.2	1.6	3,149.6
Storage & Transport - Petroleum & Petroleum Product Transport	556.6	1.5	3,050.1
Fuel Comb. Other - Residential Other	2,602.1	0.9	1,713.2
Waste Disposal & Recycling - Open Burning	249.0	0.7	1,364.5
Fuel Comb. Other - Commercial/Institutional Coal	290.8	0.5	966.9
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	128.5	0.4	709.9
Fuel Comb. Other - Commercial/Institutional Oil	192.9	0.3	641.3
Waste Disposal & Recycling - Incineration	108.7	0.3	595.9
Miscellaneous - Other Combustion	36.9	0.1	127.0
Fuel Comb. Other - Residential Wood	71.2	0.0	23.5
Area Source NOx Totals in St. Louis Nonattainment Area	10,014.2	19.1	38,160.5

Table 9. 2002 CO Emissions from Area Sources by Source Category

Area Source Category	CO tons/yr	CO tons/OSD	CO lbs/OSD
Waste Disposal & Recycling - Open Burning	7,268.0	19.9	39,825.0
Fuel Comb. Industrial - Gas	1,099.1	3.0	6,071.2
Fuel Comb. Other - Commercial/Institutional Gas	1,125.7	1.9	3,743.0
Miscellaneous - Other Combustion	3,296.5	1.5	3,020.4
Waste Disposal & Recycling - Incineration	362.5	1.0	1,986.2
Fuel Comb. Other - Residential Wood	5,546.0	0.9	1,831.3
Other Industrial Processes - Agriculture, Food, & Kindred Products	225.3	0.6	1,234.8
Fuel Comb. Other - Commercial/Institutional Coal	336.7	0.6	1,119.6
Fuel Comb. Industrial - Oil	154.2	0.4	851.9
Fuel Comb. Other - Residential Other	1,359.8	0.3	564.9
Fuel Comb. Industrial - Other	96.0	0.3	530.5
Fuel Comb. Industrial - Coal	42.7	0.1	235.8
Fuel Comb. Other - Commercial/Institutional Oil	46.9	0.1	156.0
Fuel Comb. Other - Misc. Fuel Comb. (Except Residential)	17.4	0.0	96.3
Area Source CO Totals in St. Louis Nonattainment Area	20,976.8	30.6	61,266.8

B. Overview of Base Year Area Source Inventory Development

The 2002 area source inventory is a consolidation of the best available area source emissions data. It includes emissions estimates prepared by MDNR APCP and CENRAP, with remaining gaps filled in with data from the EPA's NEI. Table D-1 in Appendix D lists the source of the emissions estimates for each SCC in the base year area source inventory. For the categories developed by MDNR APCP, the data and methods used are described in the document *Missouri Statewide Estimates for the 2002 National Emissions Inventory (NEI): Area Sources* in Appendix D. The data and methods used to develop the prescribed burning inventory for CENRAP are discussed in Sonoma Technology's report *Research and Development of Planned Burning Emission Inventories for the Central States Regional Air Planning Association* (July 30, 2004) in Appendix D. Documentation of EPA's methods for the NEI may be found on EPA's Clearinghouse for Inventories and Emission Factors (CHIEF) website at <http://www.epa.gov/ttn/chief/net/2002inventory.html>.

In a contract with CENRAP, Pechan consolidated the area source data from the various sources, conducted additional quality assurance, and worked with MDNR APCP to make revisions where needed. In particular, corrections were made to a double-counting error of industrial surface coating emissions. Pechan also converted the area source inventory to the SMOKE/IDA format. Pechan's work is described in detail in the two documents included in Appendix B: *The Consolidation of Emissions Inventories* (April 28, 2005) and *Refinement of CENRAP's 2002 Emissions Inventories* (August 31, 2005).

The SMOKE/IDA-formatted file prepared by Pechan was considered to be the most accurate and current version of the 2002 Missouri area source inventory and therefore was used as the basis for the base year inventory summarized in this document. The file contains annual emissions for all area sources and ozone season day emissions for some categories. Because ozone season day emissions information was not complete, the SMOKE model was used to calculate typical ozone day emissions for all area sources in the St. Louis nonattainment area in order to apply consistent procedures to all sources. Appendix C describes how the typical ozone season day emissions were calculated.

VI. OFFROAD MOBILE SOURCE EMISSIONS

Offroad mobile sources are mobile and portable internal-combustion powered equipment not generally licensed or certified for highway use. Offroad engines are classified according to distinct nonroad equipment categories, ranging from small lawn and garden equipment to heavy-duty construction equipment, large aircraft, and diesel locomotives.

A. Emissions Summary

Tables 10, 11, and 12 summarize the total 2002 offroad mobile source VOC, NO_x, and CO emissions for the St. Louis nonattainment area by source category. The tables are sorted from highest to lowest ozone season day emissions. Table E-2 in Appendix E presents the 2002 offroad mobile inventory at the more detailed SCC level.

Table 10. 2002 VOC Emissions from Offroad Mobile Sources by Source Category

Offroad Mobile Source Category	VOC tons/yr	VOC tons/OSD	VOC lbs/OSD
Non-Road Gasoline - lawn & garden	7,145.3	22.7	45,385.2
Non-Road Gasoline - light commercial	1,344.7	5.5	11,079.4
Non-Road Gasoline - recreational marine vessels	1,874.4	5.1	10,270.6
Non-Road Gasoline – recreational	1,031.9	3.9	7,771.1
Non-Road Diesel – construction	429.7	1.6	3,245.7
Other - liquified petroleum gas	589.8	1.6	3,240.5
Non-Road Gasoline – construction	258.4	1.0	1,945.7
Aircraft	340.7	1.0	1,943.1
Non-Road Gasoline – industrial	143.3	0.5	1,067.2
Railroads	184.3	0.5	1,009.8
Marine Vessels – diesel	171.7	0.5	940.7
Non-Road Diesel - light commercial	114.6	0.5	906.2
Non-Road Diesel – industrial	101.5	0.3	675.6
Non-Road Diesel – farm	64.3	0.3	506.5
Non-Road Diesel - lawn & garden	42.0	0.1	240.9
Non-Road Gasoline – farm	13.3	0.1	107.7
Non-Road Diesel - airport service	13.3	0.1	100.4
Non-Road Gasoline - airport service	4.5	0.0	33.6
Non-Road Diesel - railway maintenance	3.8	0.0	20.9
Other - compressed natural gas	3.7	0.0	20.4
Non-Road Diesel - recreational marine vessels	3.3	0.0	17.9
Non-Road Diesel - recreational	1.7	0.0	12.8
Non-Road Gasoline - railway maintenance	1.3	0.0	7.0
Offroad Mobile VOC Totals in St. Louis Nonattainment Area	13,881.3	45.3	90,548.9

Table 11. 2002 NOx Emissions from Offroad Mobile Sources by Source Category

Offroad Mobile Source Category	NOx tons/yr	NOx tons/OSD	NOx lbs/OSD
Non-Road Diesel - construction	3,829.5	14.5	28,927.0
Marine Vessels - diesel	4,363.5	12.0	23,909.8
Railroads	3,116.7	8.5	17,077.8
Other - liquified petroleum gas	2,298.8	6.3	12,629.3
Aircraft	1,630.2	4.7	9,307.4
Non-Road Diesel - industrial	932.0	3.1	6,176.8
Non-Road Diesel - light commercial	603.0	2.4	4,769.0
Non-Road Diesel - farm	562.0	2.2	4,430.6
Non-Road Gasoline - lawn & garden	674.1	2.2	4,304.3
Non-Road Gasoline - light commercial	298.8	1.2	2,482.1
Non-Road Diesel - lawn & garden	267.4	0.8	1,534.1
Other - compressed natural gas	228.2	0.6	1,270.0
Non-Road Diesel - airport service	157.9	0.6	1,192.9
Non-Road Gasoline - industrial	106.7	0.4	788.4
Non-Road Diesel - recreational marine vessels	85.9	0.2	470.7
Non-Road Gasoline - recreational marine vessels	70.9	0.2	388.5
Non-Road Gasoline - recreational	37.3	0.1	281.2
Non-Road Gasoline - construction	32.2	0.1	242.8
Non-Road Diesel - railway maintenance	19.8	0.1	108.6
Non-Road Gasoline - farm	5.2	0.0	40.9
Non-Road Diesel - recreational	4.7	0.0	35.6
Non-Road Gasoline - airport service	3.7	0.0	27.5
Non-Road Gasoline - railway maintenance	0.4	0.0	2.2
Offroad Mobile NOx Totals in St. Louis Nonattainment Area	19,329.0	60.2	120,397.4

Table 12. 2002 CO Emissions from Offroad Mobile Sources by Source Category

Offroad Mobile Source Category	CO tons/yr	CO tons/OSD	CO lbs/OSD
Non-Road Gasoline - lawn & garden	111,670.7	357.6	715,190.1
Non-Road Gasoline - light commercial	39,105.6	162.3	324,678.0
Non-Road Gasoline - recreational	7,715.9	29.1	58,107.7
Other - liquified petroleum gas	9,156.9	25.1	50,283.2
Non-Road Gasoline - construction	3,710.2	14.0	27,941.1
Non-Road Gasoline - industrial	3,668.7	13.7	27,343.5
Non-Road Gasoline - recreational marine vessels	4,358.6	11.9	23,882.7
Aircraft	3,046.8	8.7	17,334.4
Non-Road Diesel - construction	2,073.2	7.8	15,660.5
Other - compressed natural gas	939.5	2.6	5,227.5
Marine Vessels - diesel	600.8	1.6	3,291.8
Non-Road Diesel - light commercial	404.8	1.6	3,201.5
Non-Road Diesel - industrial	418.4	1.4	2,792.3
Non-Road Gasoline - farm	336.3	1.4	2,741.6
Non-Road Diesel - farm	317.7	1.3	2,506.9
Railroads	432.6	1.2	2,370.4
Non-Road Diesel - lawn & garden	151.3	0.4	868.3
Non-Road Gasoline - airport service	105.6	0.4	795.5
Non-Road Diesel - airport service	72.9	0.3	550.7
Non-Road Gasoline - railway maintenance	41.3	0.1	226.1
Non-Road Diesel - railway maintenance	17.8	0.0	97.3
Non-Road Diesel - recreational marine vessels	13.8	0.0	75.4
Non-Road Diesel - recreational	6.6	0.0	49.9
Offroad Mobile CO Totals in St. Louis Nonattainment Area	188,365.9	642.6	1,285,216.5

B. Overview of Offroad Mobile Source Inventory Development

The 2002 offroad mobile source inventory is a consolidation of the best available offroad mobile source emissions data. It includes emissions estimates prepared by MDNR APCP and CENRAP, with remaining gaps filled in with EPA NEI data. Table E-1 in Appendix E lists the source of the emissions estimates for each SCC in the base year offroad mobile inventory. The majority of the offroad mobile inventory was developed by Sonoma Technology under a contract with CENRAP. The methods and data used by Sonoma are described in the report *Emissions Inventory Development for Mobile Sources and Agricultural Dust Sources for the Central States* (October 28, 2004) in Appendix E. MDNR APCP revised Sonoma's emissions estimates for recreational boat SCCs by running the EPA's draft NONROAD2004 model using default model inputs. Information on the NONROAD model is at <http://www.epa.gov/otaq/nonrdmdl.htm>. Documentation of EPA's methods used in the development of the 2002 NEI may be found on EPA's CHIEF website at <http://www.epa.gov/ttn/chief/net/2002inventory.html>.

Pechan, under a contract with CENRAP, consolidated the offroad mobile source inventories from the various data sources, quality-assured the data, worked with MDNR APCP to make corrections where needed, and created SMOKE/IDA-formatted files. Pechan's work is described in detail in the two documents included in Appendix B: *The Consolidation of Emissions Inventories* (April 28, 2005) and *Refinement of CENRAP's 2002 Emissions Inventories* (August 31, 2005).

The SMOKE/IDA-formatted file prepared by Pechan was considered to be the most accurate and current version of the 2002 Missouri offroad mobile source inventory and therefore was used as the basis for the base year inventory summarized in this document. The file contains annual emissions for all offroad mobile sources. The SMOKE model was used to calculate typical ozone day emissions. Appendix C describes the how the typical ozone season day emissions were calculated.

VII. ONROAD MOBILE SOURCE EMISSIONS

Onroad mobile sources include motor vehicles such as cars, vans, trucks, buses, and motorcycles that are used for transportation of passengers and goods on public roads and streets. Nearly all mobile sources other than jet or turboprop aircraft are powered by internal combustion (IC) engines—either spark-ignition engines such as most automobiles have, or compression-ignition (diesel) engines. Practically all mobile sources use liquid fuels such as gasoline or diesel fuel.

There are two separate emissions reduction programs that address onroad mobile sources within the St. Louis nonattainment area. The Inspection and Maintenance (I/M) 240 vehicle maintenance and inspection program covers St. Louis City, St. Louis County, St. Charles County, and Jefferson County. The BAR-90 program covers Franklin County only. Both of these areas implement Stage-II Vapor Recovery for vehicle refueling. Fuel Program 2-South was modeled for both nonattainment zone areas.

The Mobile 6.22 model was utilized to estimate onroad vehicle emissions for the 2002 Base Year Inventory for the Missouri Portion of the St. Louis 8-Hour Ozone Nonattainment Area. A total of 24 input files were written to estimate the mobile emissions for the St. Louis I/M 240 area and the Franklin County BAR-90 vehicle maintenance program areas. Individual input files were run for the twelve calendar months reflecting the average temperature ranges for each area modeled. Appendix F contains the Mobile 6.22 input files.

The 2002 vehicle miles traveled (VMT) data for the St. Louis nonattainment area were obtained from the East-West Gateway Coordinating Council's (EWGCC) in October 2005. The VMT data are based on actual demographic data, trip studies, and annual average daily traffic (AADT). EWGCC utilizes modeling software to compile VMT data, which includes the geographical coordinates of each roadway link along with the corresponding VMT count. The VMT represent travel on an average weekday. Table 13 summarizes the 2002 VMT by county.

Table 13. 2002 Average Daily VMT by County

County	Daily VMT	Percent
Franklin	4,149,355	7%
Jefferson	5,472,848	10%
St. Charles	7,400,060	13%
St. Louis	30,783,172	55%
City of St. Louis	8,527,622	15%
Total	56,333,057	

The EWGCC VMT roadway links were broken down into the 11 functional classifications listed in Table 14. Classifications 7, 10, and 11 were removed for the purposes of this study. These classifications represent Transit, Metro Link, and Centroid Connector VMT, respectively. These classifications are not traditionally included in estimating total onroad vehicle emissions for inventory development.

Table 14. Roadway Functional Classifications Included in 2002 VMT Dataset

Functional Class Code	Description
1	Interstate Highway
2	Expressway
3	Principal Arterial
4	Minor Arterial
5	Major Collector
6	Minor Collector
7	Transit Only
8	Ramp
9	Local Road
10	Metro Link
11	Centroid Connector

Functional classifications 1, 2, and 8 were grouped into the “FREEWAY” category, and classifications 3, 4, 5, 6, and 9 were grouped into the “ARTERIAL” category for Mobile modeling purposes.

In the VMT dataset, the roadway links were originally placed into 4 time groupings: AM Peak, Mid Day, PM Peak, and Night Time. These groups were then further proportioned by MDNR APCP into 24 hourly bins in order to create a site-specific Speed VMT (SVMT) file for the St. Louis I/M 240 area, and also the Franklin County area. The SVMT files are included in Appendix F.

The VMT was further split up into 14 speed “bins” or speed ranges in order for the Mobile model to more accurately predict the vehicle emission factors. The speed bins are shown in Table 15. A Mobile “scenario” was written for the average speed of each of the 14 speed bins files for both arterials and freeways in each input file. The corresponding output files produced emission factors by vehicle type, roadway type, and average speed for each monthly mobile run.

Table 15. Speed Bins Used in Mobile Modeling Runs

Speed Bin	From Speed (mph)	To Speed (mph)	Average Speed (mph)
1	0	2.5	2.5
2	2.5	7.5	5
3	7.5	12.5	10
4	12.5	17.5	15
5	17.5	22.5	20
6	22.5	27.5	25
7	27.5	32.5	30
8	32.5	37.5	35
9	37.5	42.5	40
10	42.5	47.5	45
11	47.5	52.5	50
12	52.5	57.5	55
13	57.5	62.5	60
14	62.5	and higher	65

For estimating emissions for a typical summer day, a July run was specified. Emissions were calculated by multiplying the emission factor from the Mobile model by VMT. Emissions were apportioned to each county in the St. Louis nonattainment area by multiplying the total emissions by the percentage of VMT in each county.

In order to estimate the total yearly mobile emissions, the daily emissions value for each monthly evaluation was multiplied by the number of days in the month to generate a monthly total. The monthly totals were then summed to generate an annual emissions estimate.

VIII. BIOGENIC EMISSIONS

Biogenic sources are biological sources of ozone precursor emissions such as trees, agricultural crops, or microbial activity in soils or water. The EPA’s *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations* (August 2005) encourages the use of biogenic estimates from the NEI as the basis for SIP planning inventories. The county-level biogenic emissions estimates summarized in the St. Louis base year inventory were obtained from the 2002 preliminary NEI inventory from EPA’s ftp site:
<ftp://ftp.epa.gov/EmisInventory/prelim2002nei/biogenic>.

EPA prepared the biogenic emissions using the BEIS3.12 model via the SMOKE modeling system. The BEIS3.12 inputs were based on 2001 annual meteorology and BELD3 landuse data (1 km original data aggregated to the 36 km grid). The county-total emissions from SMOKE were estimated based on the “land area” spatial surrogate.

The biogenic emissions data by county and month of year were extracted from the EPA’s biogenic dataset. The monthly emissions are summarized by county in Table 16. Annual emissions were calculated by totaling the monthly emissions for each county. Average ozone season day emissions were calculated by summing emissions for the months of June, July, and August for each county and dividing the county’s ozone season total by 92 days.

Table 16. 2002 Biogenic Emissions by Month and County

Month	VOC tons	NOx tons	CO tons
FRANKLIN COUNTY			
January	21.7	4.7	6.7
February	31.3	6.2	9.4
March	80.4	8.6	16.9
April	1,582.8	36.8	134.0
May	2,277.5	35.8	174.5
June	3,298.2	27.2	224.4
July	4,466.9	30.9	301.0
August	4,287.3	24.5	292.7
September	2,098.4	17.9	181.6
October	805.7	13.7	98.5
November	81.2	11.7	22.9
December	44.7	8.4	13.6
Franklin Co. Annual Totals	19,076.3	226.4	1,476.2
JEFFERSON COUNTY			
January	20.3	3.1	6.1
February	29.9	4.2	8.7
March	69.2	5.7	14.8
April	1,289.1	18.8	111.1
May	1,829.2	20.8	142.9
June	2,664.7	16.5	185.6
July	3,504.0	18.9	241.9
August	3,343.3	16.1	236.2
September	1,678.4	11.7	148.5
October	688.2	8.9	82.8
November	84.7	7.6	21.7
December	40.4	5.5	11.9
Jefferson Co. Annual Totals	15,241.3	137.7	1,212.2
ST. CHARLES COUNTY			
January	9.3	4.0	2.8
February	13.4	5.5	3.9
March	39.9	7.6	8.2
April	813.3	32.4	79.2

Month	VOC tons	NOx tons	CO tons
May	1,143.9	34.8	101.9
June	1,673.4	23.3	132.9
July	2,292.5	28.8	179.5
August	2,170.9	22.9	173.8
September	1,109.4	16.3	108.4
October	433.7	12.3	60.2
November	136.4	10.5	25.2
December	32.0	7.4	8.0
St Charles Co. Annual Totals	9,868.1	205.8	884.0
ST. LOUIS COUNTY			
January	8.6	4.0	2.7
February	12.9	5.6	3.9
March	36.4	7.7	7.7
April	726.2	28.0	71.7
May	1,006.3	30.4	91.3
June	1,500.9	21.6	120.6
July	2,036.8	26.1	161.0
August	1,903.6	22.4	155.5
September	953.3	16.4	96.7
October	410.3	12.3	56.8
November	217.5	10.5	36.7
December	48.8	7.5	11.0
St Louis Co. Annual Totals	8,861.7	192.5	815.6
CITY OF ST. LOUIS			
January	2.5	2.4	0.9
February	3.8	3.4	1.3
March	14.0	4.6	3.1
April	317.6	19.8	38.1
May	431.3	20.0	48.3
June	655.4	14.9	64.6
July	875.8	16.8	85.3
August	821.6	13.9	82.7
September	419.7	10.0	51.6
October	187.9	7.4	30.6
November	96.3	6.3	17.4
December	5.1	4.5	1.7
City of St. Louis Annual Totals	3,831.1	124.0	425.6

MISSOURI AIR CONSERVATION COMMISSION RULES IN PROGRESS SCHEDULE

1

Rule Action	Draft Rule Out for Other Dept Review	Public Notice (Accepting Comments on Draft Rule)	File with Secretary of State*	Published in Missouri Register	Public Hearing	Public Comment Period Closes	Commission Vote on Rule Action	Last Day** to File with Secretary of State*	Rule Effective
Rule Amendment 10 CSR 10-6.065 Operating Permits (Implements governor's operating permit streamlining recommendations; addresses regulated community concerns and helps streamline Basic and Intermediate operating permits programs)	03-16-04	09-12-04	12-14-04	01-18-05	03-31-05	04-07-05	04-28-05	06-23-05	09-30-05
Rule Amendment 10 CSR 10-6.070 New Source Performance Regulations (Annual updates)	10-22-04	11-07-04	02-17-05	04-01-05	05-26-05	06-02-05	06-30-05	08-31-05	11-30-05
Rule Amendment 10 CSR 10-6.075 Maximum Achievable Control Technology Regulations (Annual updates)	10-22-04	11-07-04	02-17-05	04-01-05	05-26-05	06-02-05	06-30-05	08-31-05	11-30-05
Rule Amendment 10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants (Annual updates)	10-22-04	11-07-04	02-17-05	04-01-05	05-26-05	06-02-05	06-30-05	08-31-05	11-30-05
New Rule 10 CSR 10-6.360 Control of NOx Emissions From Electric Generating and Non-Electric Generating Boilers (NOx SIP Call)	11-04-04	11-09-04	02-14-05	03-15-05	04-28-05	05-05-05	05-26-05	08-01-05	10-30-05
New Rule 10 CSR 10-6.380 Control of NOx Emissions From Portland Cement Kilns (NOx SIP Call)	11-04-04	11-09-04	02-14-05	03-15-05	04-28-05	05-05-05	05-26-05	08-01-05	10-30-05
New Rule 10 CSR 10-6.390 Control of NOx Emissions From Large Stationary Internal Combustion Engines (NOx SIP Call)	11-04-04	11-09-04	02-14-05	03-15-05	04-28-05	05-05-05	05-26-05	08-01-05	10-30-05
Rule Amendment 10 CSR 10-2.390 Kansas City Area Transportation Conformity Requirements (Federal updates)	12-17-04	01-10-05	04-01-05	05-02-05	06-30-05	07-07-05	07-21-05	10-03-05	12-30-05
Rule Amendment 10 CSR 10-5.480 St. Louis Area Transportation Conformity Requirements (Federal updates)	12-17-04	01-10-05	04-01-05	05-02-05	06-30-05	07-07-05	07-21-05	10-03-05	12-30-05
Rule Amendment 10 CSR 10-1.030 Air Conservation Commission Appeals and Requests for Hearings (Contains procedural regulations for contested cases heard by commission or assigned to hearing officer by commission)	01-27-05	02-06-05	05-12-05	06-15-05	07-21-05	07-28-05	08-25-05	10-26-05	01-30-06
Rule Amendment 10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information (Sets emission fee required annually by statute and adjusts deadline for fee payment)	03-09-05	N/A	05-16-05	06-15-05	07-21-05	07-28-05	08-25-05	10-03-05	12-30-05
Rule Amendment 10 CSR 10-6.010 Ambient Air Quality Standards (Updates NAAQS table with new and revised 8-hour Ozone and PM2.5 standards)	03-02-05	N/A	07-06-05	08-15-05	09-29-05	10-06-05	10-27-05	12-14-05	02-28-06
Rule Amendment 10 CSR 10-6.020 Definitions and Common Reference Tables (Updates definitions for the new PM2.5 NAAQS mandated under CAA of 1997)	03-02-05	N/A	07-06-05	08-15-05	09-29-05	10-06-05	10-27-05	12-14-05	02-28-06
Rule Amendment 10 CSR 10-6.030 Sampling Methods for Air Pollution Sources (Updates federal reference methods for new PM2.5 NAAQS mandated under CAA of 1997)	03-02-05	N/A	07-06-05	08-15-05	09-29-05	10-06-05	10-27-05	12-14-05	02-28-06

Shaded blocks indicate actual completion dates.

* Copy provided to Joint Committee on Administrative Rules

** Last day to meet rule effective date shown.

MISSOURI AIR CONSERVATION COMMISSION RULES IN PROGRESS SCHEDULE

2

Rule Action	Draft Rule Out for Other Dept Review	Public Notice (Accepting Comments on Draft Rule)	File with Secretary of State*	Published in Missouri Register	Public Hearing	Public Comment Period Closes	Commission Vote on Rule Action	Last Day** to File with Secretary of State*	Rule Effective
Rule Amendment 10 CSR 10-6.040 Reference Methods (Updates federal reference methods for new PM2.5 NAAQS mandated under CAA of 1997)	03-02-05	N/A	07-06-05	08-15-05	09-29-05	10-06-05	10-27-05	12-14-05	02-28-06
Rule Amendment 10 CSR 10-5.510 Control of Emissions of Nitrogen Oxides (Adds another test method to determine NOx emission rates)	05-12-05	05-19-05	08-26-05	10-03-05	12-08-05	12-15-05	02-02-06	03-15-06	05-30-06
Rule Amendment 10 CSR 10-6.100 Alternate Emission Limits (Updates reference for federal New Source Review program for nonattainment areas)	06-02-05	N/A			On hold - Pending Litigation Reconsideration				
Rule Amendment 10 CSR 10-6.060 Construction Permits Required (Adopts federal New Source Review program for nonattainment areas)	06-03-05	06-26-05			On hold - Pending Litigation Reconsideration				
Rule Amendment 10 CSR 10-6.061 Construction Permits Exemptions (Relocates recordkeeping section and clarifies specific facilities exemptions)	08-17-05	N/A	12-01-05	01-03-06	02-02-06	02-09-06	03-30-06	05-10-06	07-30-06
Rule Amendment 10 CSR 10-5.300 Control of Emissions From Solvent Metal Cleaning (Addresses industry concerns about provisions related to enforcement and compliance)	10-27-05	11-09-05	04-03-06	05-01-06	06-29-06	07-06-06	07-20-06	09-01-06	11-30-06
Rule Amendment 10 CSR 10-6.070 New Source Performance Regulations (Annual updates)	10-27-05	11-09-05			Anticipate filing 5/15/06				
Rule Amendment 10 CSR 10-6.075 Maximum Achievable Control Technology Regulations (Annual updates)	10-27-05	11-09-05			Anticipate filing 5/15/06				
Rule Amendment 10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants (Annual updates)	10-27-05	11-09-05			Anticipate filing 5/15/06				
New Rule 10 CSR 10-6.345 Control of NOx Emissions From Upwind Sources (Addresses large sources of nitrogen oxides upwind and outside St. Louis 8-hr ozone nonattainment area expected to have potential to affect air quality)	11-10-05	11-23-05			Anticipate filing 5/15/06				
Rule Amendment 10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information (Sets emission fee required annually by statute and adjusts deadline for fee payment)	03-16-06	N/A			Anticipate filing 5/15/06				

Shaded blocks indicate actual completion dates.

* Copy provided to Joint Committee on Administrative Rules

** Last day to meet rule effective date shown.

State Air Quality Plans Status Report

April 10, 2006

1

Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Emission Statement Plan)	1/4/94	Complete 6/17/94	Approved 2/29/96	1/15/93	6/17/94					
Missouri SIP (St. Louis CO Maintenance Plan)	6/13/97	Complete 7/9/97	1/26/99 - EPA granted direct final approval - effective 3/29/99	No sanction clock applicable to nonclassifiable nonattainment areas.						
Missouri SIP (St. Louis 15% Rate of Progress (RoP) Plan)				1/14/94	7/13/95					
	1/13/95	7/13/95 - All three submittals found complete.	3/18/96 - EPA proposed partial approval of all plan elements except I/M program. EPA proposed partial disapproval due to failure to implement enhanced I/M program.	Sanction clock will start if EPA publishes limited disapproval of 15% plan.						
	7/11/95									
	7/11/95									
	5/1/97	N/A (This action only addresses approvability)								Plan revised to clarify Reid vapor pressure (RVP) waiver demonstration.
11/12/99	Complete 12/22/99	Approved 5/18/00							Plan revised to include Inspection/Maintenance (I/M) and reformulated gasoline (RFG) provisions.	
Missouri SIP (St. Louis Contingency Plan)	10/6/97	Complete 10/8/97	4/19/01 - EPA proposed approval Approved 6/26/01	4/11/96	10/8/97					Public hearing 7/24/97. MACC adopted Plan 8/28/97. MACC adopted Solvent Metal Cleaning rule 2/3/98. On 5/18/00, EPA approved Solvent Metal Cleaning rule as part of 15% ROP plan (includes Tier II and low sulfur gasoline).
Missouri SIP (St. Louis Attainment Demonstration Plan)				6/22/95	4/22/96					
	10/25/95	Complete 4/22/96	4/17/00 - EPA proposed 8/3/00 - EPA reopened public comment period until 8/14/00.							Plan revised to comply w/ new Ozone National Ambient Air Standards (NAAQS) and transport SIP call. MACC adopted Plan 11/8/99. On 1/19/00, DNR submitted supplemental model report. Additional modeling submitted 6/29/00. Supplemental model report presented at 8/31/00 MACC public hearing. MACC adopted Plan 9/21/00.
	11/2/00		4/3/01 - EPA proposed approval Approved 6/26/01 (Court vacated)							On 6/26/01, EPA withdrew 3/19/01 attainment determination and approved attainment date extension to 11/15/04 and mobile source emissions budgets. On 11/25/02, US 7 th Circuit Court of Appeals ruled against EPA as follows: 1) EPA has no authority to grant attainment date extension; 2) 6/26/01 rule extending St. Louis attainment date vacated; 3) directed EPA to promulgate final rule classifying St. Louis as serious Ozone nonattainment area.
	2/28/01									
	12/13/02									
		1/30/03 - EPA proposed to approve revised mobile budgets Approved 5/12/03							MOBILE6 model released 1/29/02. Revised mobile budgets based on Mobile 6 model presented to MACC at public hearings 10/23/02 (St. Louis) and 10/24/02 (Kirksville). MACC adopted Plan 12/5/02.	
Missouri SIP (Redesignation Demonstration and Maintenance Plan for Missouri Portion of St. Louis Ozone Nonattainment Area)	12/5/02	12/19/02	1/30/03 - EPA proposed approval of redesignation demonstration and maintenance plan. Approved 5/12/03							Plan and redesignation request presented to MACC at public hearing 10/23/02 (St. Louis) and 10/24/02 (Kirksville). MACC adopted Plan 12/5/02.
Missouri SIP (New Source Review Plan)				1/15/93	6/17/94					
	4/6/94	Complete 6/17/94	Approved 2/29/96							

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State Air Quality Plans Status Report
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Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Inspection/Maintenance (I/M) Plan)				1/15/93	9/1/94					
	9/1/94 (Temporary rule)	Complete 9/1/94 Contingent on Plan revision submittal of permanent rule	3/18/96 - EPA proposed disapproval of I/M Plan (lack of adequate resources to implement) Approved 5/18/00							Contract awarded 2/24/99 and testing begins 4/5/00. Over 4,734,936 vehicles tested since I/M program start. In 2003, General Assembly did not renew appropriations for additional I/M station in South County.
	7/11/95 (Permanent rule)			Sanction clock starts if EPA publishes final disapproval						
	12/9/02	12/30/02	5/12/03 - EPA approved I/M rule revisions - effective 5/12/03							MACC adopted proposal implementing on-board diagnostics (OBD) testing 4/25/02 (advisory-only). MACC adopted rule implementing OBD testing 8/29/02.
	10/2/03	12/1/03								MACC adopted revised Plan to incorporate rule and legislative changes 8/23/03.
										Plan being revised to incorporate HB 697 legislative changes. On 6/6/05, pass/fail OBD tests (<1996 vehicles) started. On 7/22/05, 8/5/05, 8/19/05 and 9/1/05, DNR/EPA hosted St. Louis meetings (I/M Summit) to consider new I/M program designs beyond 2007 to meet 8-hr Ozone SIP obligation (presented current Ozone air quality data and federal requirements). DNR released white paper documenting discussed concepts and preferences. On 9/15/05, I/M workgroup met w/ Rep. St. Onge (Missouri House Transportation Chair) to discuss 2006 legislative session and make plans to establish workgroup to identify each agency's needs for statewide vehicle safety, St. Louis Ozone nonattainment area vehicle emission testing program and statewide vehicle registration program. From I/M Summit feedback, workgroup will develop legislative proposal that could be passed during 2006 General Assembly and implemented by 9/1/07 (end of contract w/ Environmental Systems Products Holdings Inc. (ESP) Missouri. Late October 2005, started rulemaking development. On 10/11/05, I/M workgroup met w/ Rep. St. Onge and Rep. Lembke to discuss 2006 legislative session. I/M technology open house/trade show held 12/3/05 to provide legislators and decision makers with the various types of technology available for vehicle inspections.
Missouri SIP (NOx RACT Plan)				7/6/94	7/3/96	1/6/96	7/3/96			
	11/30/95 (Waiver)									Submitted waiver application for Clean Air Act (CAA) amendments Section 182(f) 11/30/95. EPA issues transport SIP call 10/10/97.
	4/26/96 (Draft Plan) 7/1/96 (Final Plan)									NOx RACT Plan identifying NOx RACT as the NOx limitations required for utility boilers under Title IV acid rain program being submitted. Public hearing for proposed Plan 5/30/96. MACC adopted proposed Plan 6/27/96.
	11/12/99	Complete 12/22/99	Approved 5/18/00							Incorporates new NOx RACT rule.
Missouri SIP (NOx Transport Plan)	8/1/05									On 3/3/00, court ruled on NOx SIP call petitions and removed Missouri from NOx SIP call. EPA approved statewide NOx rule 12/28/00. Proposed NOx SIP call for Missouri released 2/23/02. On 4/21/04, EPA finalized Phase II NOx SIP call. Missouri to submit SIP meeting full NOx SIP call by 5/1/05. Utility Workgroup meetings 10/19/04 (non-electricity generating units (non-EGUs) and 10/25/04 (EGUs). On 12/8/04, EGU workgroup reached agreement in concept on proposed EGUs and non-EGU boilers rules. On 1/31/05, met w/ cement kiln industry and reached consensus on draft cement kiln rule. Public hearing for 3 new NOx rules 4/28/05. MACC adopted rules 5/26/05. Public hearing for NOx SIP call Emissions Budget Demonstration for Missouri 5/26/05. MACC adopted Budget Demonstration 6/30/05.

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Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Kansas City 8-Hour Ozone Plan)										In 2000, DNR submitted recommendation on 8-hr nonattainment boundaries. On 6/2/03, EPA published proposed 8-hr Ozone NAAQS rule. MACC adopted boundary recommendation 7/24/03. On 8/1/03, DNR submitted MACC adopted boundary recommendation to EPA. On 4/30/04, EPA designated Kansas City as Unclassifiable/ Attainment for 8-hr Ozone NAAQS. Action effective 6/15/04. On 9/10/04, Mid-America Regional Council (MARC) hosted community workshop to discuss alternative strategies to achieve compliance w/ new 8-hr Ozone NAAQS and long-term clean air. On 12/21/04, DNR submitted letter to EPA to certify monitoring data and to recommend Kansas City be redesignated as Attainment for 8-hr Ozone NAAQS. On 3/29/05, MARC approved Clean Air Action Plan (CAAP). On 5/3/05, EPA redesignated Kansas City as Attainment for 8-hr Ozone NAAQS. Final rule effective 6/2/05. On 7/12/05, MARC hosted meeting w/ EPA, Kansas Dept of Health and the Environment (KDHE) and DNR to initiate discussions on SIP tasks. New 8-hr Ozone Maintenance Plan deadline 6/15/07. Program working on developmental and background information, and reviewing other States maintenance plans to identify innovative control measures previously not considered. On 8/4/05, conference call w/ EPA, KDHE and DNR to discuss draft plan and 8-hr Ozone modeling study schedule. On 10/17/05 and 11/1/05, conference calls w/ KDHE and DNR to discuss modeling and emissions inventory status. On 11/14/05, Contingency Measures workgroup met to review initial contingency control measures listing. On 1/10/06, Contingency Measures workgroup met to narrow down the list of contingency measures to pursue for implementation. SIP submittal deadline 6/15/07.
Missouri SIP (Kansas City Maintenance Plan)										On 2/5/96, rec'd EPA formal notice of Ozone violation (based on EPA quality assured data) in Kansas City metro area which requires contingency measures. Contingency measures recommendations presented at 8/29/96 MACC meeting.
	3/16/98	Complete 5/21/98	1/26/99 - EPA granted approval (RFG incorporated by 2000) Approved 4/24/02							MACC adopted revised Plan 2/3/98. US Court of Appeals struck down EPA's rule for use of RFG in former nonattainment areas. On 8/22/00, Missouri governor committed to implement 7.0 RVP gasoline, a cold cleaning solvent regulation and a pressure vacuum relief valve requirement for gasoline dispensing. RVP rule and fuel waiver submitted to EPA on 5/21/01.
	12/12/02	Complete 12/30/02	9/16/03 - EPA proposed approval Approved 1/13/04							MOBILE6 model released 1/29/02. MACC adopted subsequent 10-yr plan 7/25/02. MACC adopted revised mobile budgets 12/5/02. On 6/5/03, EPA informed public that revised motor vehicle emission budgets are adequate for conformity purposes.
	9/6/05	Complete 3/22/06								Plan revision required when 1-hr Ozone NAAQS revoked 6/15/05. On 5/3/05, conference call w/ KDHE and MARC to discuss options for addressing 1-hr Ozone Maintenance Plan revocation. 2002 Maintenance Plan revised to include 8-hr Ozone NAAQS and 8-hr Ozone NAAQS contingency measure triggers. Public hearing for 2005 revised Plan 6/30/05. MACC adopted 2005 revised Plan 7/21/05.

**State Air Quality Plans Status Report
April 10, 2006**

5

Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Title V Operating Permit Plan (Although not a SIP, plan has similar requirements and impacts)				11/15/93	3/2/95					
	1/13/95	Complete 3/2/95	4/11/96 - EPA granted interim approval of operating permit program Approved 5/14/97							Operating Permit Program effective date 5/13/96. Full approval effective 6/13/97.
	5/6/03	Complete 5/22/03	9/17/03 - EPA granted direct final approval - effective 11/17/03							On 3/25/02, EPA issued Notice of Deficiency for the Operating Permit Program because some State requirements do not comply w/ CAA and 40 CFR 70 requirements. MACC adopted Plan revision and rule change 12/5/02.
	1/3/06									Program working on Plan revision to streamline Basic and Intermediate Operating Permits to minimize workload for both industry and program staff while maintaining NAAQS. As result of stakeholder review, MACC approved rule variance while amended rule is being developed. Public hearing for rule amendment 3/31/05. MACC adopted rule amendment 4/28/05.
Missouri SIP (Update outdated local codes/ordinances)	3/12/97	Complete 4/24/97	4/22/98 - EPA granted direct final approval - effective 6/22/98	Sanction clock not applicable.						Required to comply w/ Title V Program.
	12/22/98	Complete 4/14/99	12/22/99 - EPA granted direct final approval - effective 2/22/00							Updated Kansas City local incinerator codes.
	5/22/00	Complete 6/15/00	10/26/00 - EPA granted direct final approval - effective 12/26/00							Revised to reflect new St. Louis City ordinance 64749.
	10/15/03	11/6/03	12/9/03 - EPA granted direct final approval - effective 2/9/04							Plan revised to reflect new St. Louis City ordinance 65645. Public hearing for Plan revision 7/24/03. MACC adopted Plan 8/28/03.
Missouri SIP (Glover Lead Plan - Doe Run/formerly ASARCO)	8/13/96	Complete 9/18/96	Approved 5/5/97	8/2/93	9/18/96	2/2/95	9/18/96	8/2/95	9/18/96	Air quality monitoring data continues to show Lead NAAQS attainment after controls installed. Amended consent decree filed Sept-99.
	7/31/00	Complete 9/5/00	12/5/01 - EPA proposed approval - Approved 4/16/02							Plan revised to change ownership via new consent decree. MACC adopted Plan revision 5/25/00.
	1/26/04		6/30/04 - EPA proposed approval effective 8/30/04 unless adverse comments received by 7/30/2004 Direct final rule withdrawn 8/24/04 due to adverse comment 10/29/04 - EPA granted final approval - effective 11/29/04							On 12/1/03, Glover smelter ceased operations w/ plans to reopen in future. DNR advised Doe Run that certain emission compliance and maintenance plan reporting requirements could be discontinued until plant restart. DNR discontinued monitoring June 2004. DNR retains ability to restart monitoring w/ sufficient lead time should plant begin smelting. On 10/29/04, EPA published final rule addressing adverse comment, redesignated area to attainment for Lead and approved Maintenance Plan. Doe Run utilizing unloading building to store and transport concentrate ores.
Missouri SIP (Doe Run Resource Recycling Division Lead Plan)				1/4/94	12/15/94					
	7/2/93 6/30/94 11/23/94	12/15/94 - All three submittals together found complete	8/4/95 - EPA approved all three submittals together							8 continuous quarters of Lead NAAQS attainment.
	5/12/00	Complete 8/2/00	10/18/00 - EPA granted direct final approval - effective 12/18/00							Facility now referred to as Doe Run Resource Recycling Division located near Bixby, MO.
	4/29/03	Complete 8/13/03	8/24/04 - EPA granted direct final approval - effective 10/25/04							Plan revised updating emission limits to reflect current operations. Public hearing for Plan revision and rule change 10/24/02. MACC adopted Plan 12/5/02.
										Plan to be revised to reflect new prevention of significant deterioration (PSD) permit production conditions. Rec'd Doe Run mining emissions characterization analysis to confirm NAAQS compliance. Awaiting review by Permits Section and Air Quality Analysis Section prior to proceeding w/ Plan revision. Visited site 6/13/05.

State Air Quality Plans Status Report

6

April 10, 2006

Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Herculaneum Lead Plan - Doe Run)				1/4/94	12/15/94					
	6/3/91 7/2/93 6/30/94 11/23/94	Complete 7/9/91 Complete 9/30/93 Complete 2/23/94 Complete 12/15/94	Limited approval rec'd 3/6/1992 Full approval on all 4 submittals together on 5/5/95							Area failed to attain Lead NAAQS for 3 rd quarter of 1995. All contingency measures implemented and area still failed to attain Lead NAAQS.
	1/9/01	Complete 1/18/01	12/5/01 - EPA proposed approval Approved 4/16/02	7/28/99	1/18/01					On 12/7/00, MACC adopted Plan revision and Lead rule. Court signed Consent Judgement 1/5/01. 1 st quarter 2005, DNR Broad Street monitor measured 1.88 ug/m ³ representing a Lead NAAQS violation (>1.50 ug/m ³). Doe Run monitor measured 1.93 ug/m ³ . Last failure to attain occurred 2 nd quarter 2002. On 4/22/05, Doe Run-Herc issued a Notice of Violation (NOV). 2 nd quarter 2005, DNR Broad Street monitor measured 1.46 ug/m ³ representing 2 nd Lead NAAQS violation this calendar year (CY). Doe Run-Herc monitor measured 1.61 ug/m ³ . On 9/8/05, Doe Run-Herc was issued 2 nd NOV for CY 2005 triggering the production cap contingency measure. DNR/EPA met w/ Doe Run to discuss NOV settlement proposal for Doe Run to install an additional set of permanent and enforceable Lead emission controls to avoid future violations and reduce air impacts. Doe Run-Herc has implemented 2 of the 6 proposed additional emission control projects. 3 rd quarter 2005, DNR Broad Street monitor measured 1.60 ug/m ³ representing third Lead NAAQS violation in a row for CY 2005. Doe Run monitor measured 1.73 ug/m ³ . On 11/9/05, Doe Run-Herc was issued 3rd NOV for CY 2005.
										Doe Run requested to amend SIP to allow facility to change baghouse bag vendors to increase bag life, and to reduce maintenance and and energy costs. Public hearing on Consent Judgement modification 6/30/05. MACC adopted Consent Judgement modification 7/21/05.
										On 12/19/05, EPA issued a proposed SIP call for Doe Run-Herculaneum nonattainment area. On 1/12/06, DNR provided comments supporting EPA's proposed implementation plan deadline.
111(d) Plan-Municipal Solid Waste Landfills	1/26/98		4/24/98 - EPA granted direct final approval - effective 6/23/98							Original Plan
	8/31/00	Complete 9/21/00	11/15/00 - EPA granted direct final approval - effective 1/16/01							Plan revised to reflect recent EPA Emission Guidelines revisions. Public hearing for Plan revision 6/29/00. MACC adopted Plan revision 7/27/00.
111(d) Plan-Hospital, Medical/Infectious Waste Incinerators	6/15/99		8/19/99 - EPA granted direct final approval - effective 10/19/99							Original Plan
	7/13/01		10/21/01 - EPA granted direct final approval - effective 12/11/01							Plan revised to assure consistency with federal definitions. Public hearing for Plan revision 2/6/01. MACC adopted Plan revision 3/29/01.
Missouri SIP (Small Business Stationary Source Technical and Environmental Compliance Assistance Program)	3/10/93	Complete 5/11/93	Approved 3/10/93							This program being implemented and operated by the environmental assistance office. Awaiting new administration appointments.

**State Air Quality Plans Status Report
April 10, 2006**

7

Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Regional Haze Plan)										Final federal regional haze rule published 7/1/99. Final rule SIP submittal deadline May 2008. Tasks complete: previous yrs grant applications (EPA approved), RPB structure/budget, by-laws, articles of incorporation, individual workgroup plans, and workgroup chairs guidelines. Jim Kavanaugh representing DNR on Policy Oversight Group. On 11/15/04, Best Available Retrofit Technology (BART) survey sent to industries to determine affected BART sources. 20 sources identified as potential BART eligible (12 of the 20 are electric utilities exempt from BART under Clean Air Interstate Rule (CAIR). For individual workgroup progress, see Web site www.cenrap.org. See Attachment A for schedule timeline.
Missouri SIP (New Source Review (NSR) Reform)	2/25/05	Complete 8/30/05								On 12/31/02, EPA published final New Source Review (NSR) Reform rule. In 2003, New York and other states challenged rule objecting to actual-to-projected-actual emission test rather than potential-to-potential emissions test. On 6/24/05, US Appeals Court (DC Circuit) ruled to: (1) uphold past actual-to-projected future actual emissions use, a 10-yr lookback for selecting 2-yr baseline and plantwide applicability limits; (2) vacate Clean Unit applicability test and Pollution Control Project exemption; (3) remand recordkeeping provisions back to EPA for explanation or appropriate alternative. Draft rule 60-day public comment period ended 8/25/05. Rulemaking development on hold pending litigation reconsideration. On 10/14/05, EPA published proposed rule to revise emissions test for existing electric generating units (EGUs) subject to regulations governing prevention of significant deterioration (PSD) and nonattainment major NSR.
Missouri SIP (Clean Air Interstate Rule (CAIR) and Clean Air Mercury Rule (CAMR))										On 3/15/05, EPA issued the Clean Air Interstate Rule (CAIR) to reduce air pollution that moves across state boundaries, and issued the Clean Air Mercury Rule (CAMR) to permanently cap and reduce mercury emissions from coal-fired power plants. On 06/27/05, EPA Region 5 & 7 states workgroup met to discuss rule implementation issues and model rule. On 8/17/05, workgroup mtg to discuss process of developing responses from Missouri. On 8/24/05, EPA proposed Federal Implementation Plan (FIP) to Reduce Interstate Transport of Fine Particulate Matter and Ozone, and a FIP for CAIR for May 2006 implementing a federal regional trading program identical to CAIR's SO2/NOx program allowing SIP development w/ FIP revocation or partial SIP implementation w/ the FIP remaining in place. On 10/21/05, EPA announced it will reconsider certain aspects of CAIR and CAMR regarding delisting and cap-and-trade. On 12/5-6-05, EPA Region 7 hosted workshop for entities to meet w/ EPA's Clean Air Markets Division. For workgroup progress, see Web site www.dnr.mo.gov/env/apcp/cair_camr/cair_camr.htm On 2/10/06, workgroup met and discussed draft rules. CAIR SIP submittal deadline Sep' 06. CAMR SIP submittal deadline Nov' 06.

State Air Quality Plans Status Report
April 10, 2006

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Plan Commitment	Plan Submitted to EPA *	EPA's Plan Completion Finding *	EPA's Plan Approval Finding *	Sanction Clock Date **		Sanctions				Comments
						EPA Impose 2:1 Emissions Offset Ratio (18 mos after clock start)		EPA Withholds Highway Funds (24 mos after clock start)		
				Start	Stop	Start	Stop	Start	Stop	
Missouri SIP (Revised NAAQS Plan)										<u>Ozone</u> Continuing to monitor 8-hr Ozone NAAQS. On 6/2/03, EPA published proposed 8-hr Ozone NAAQS rule. On 4/30/04, EPA published area designations and classifications for 8-hr Ozone NAAQS (Kansas City as Unclassifiable/Attainment and St. Louis as Moderate). On 9/27/04, DNR submitted latest CAA Section 110 Plan commitment letter to EPA. On 12/21/04, DNR submitted letter to EPA to certify monitoring data and to recommend Kansas City redesignation as Attainment for 8-hr Ozone NAAQS. On 5/3/05, EPA redesignated Kansas City as Attainment for 8-hr Ozone NAAQS. Final rule effective 6/2/05. On 11/29/05, EPA issued final phase II 8-hour ozone rule.
										<u>PM2.5</u> Continuing to monitor PM2.5. On 9/27/04, DNR submitted latest CAA Section 110 Plan commitment letter to EPA. On 1/5/05, EPA published area designations/classifications for Fine Particle NAAQS (St. Louis as Unclassifiable/Attainment). On 9/8/05, EPA proposed PM2.5 implementation rule. Proposal describes implementation framework and SIP requirements to attain NAAQS. SIP submittal deadline set for April 2008 and attainment deadline set for 2010. Since EPA proposed several alternative approaches, program will comment to make State's preferences known. On 11/1/05, EPA published proposed PM2.5 NAAQS rule. On 12/20/05, EPA proposed new particulate matter standards.
										<u>PM10</u> Area designation recommendation letter due to EPA by 7/17/98. Area designation recommendations submitted 8/12/98. On 2/27/01, US Supreme Court upheld revised NAAQS. On 3/26/02, US Appeals Court (DC Circuit) upheld revised NAAQS. On 9/27/04, DNR submitted latest CAA Section 110 Plan commitment letter to EPA. On 12/20/05, EPA proposed new particulate matter standards.

Note: Shaded and bold face type areas indicate changes and/or additions from previous report.

* Failure to meet any of these dates or Plan requirements, starts the 18 month sanction clock.

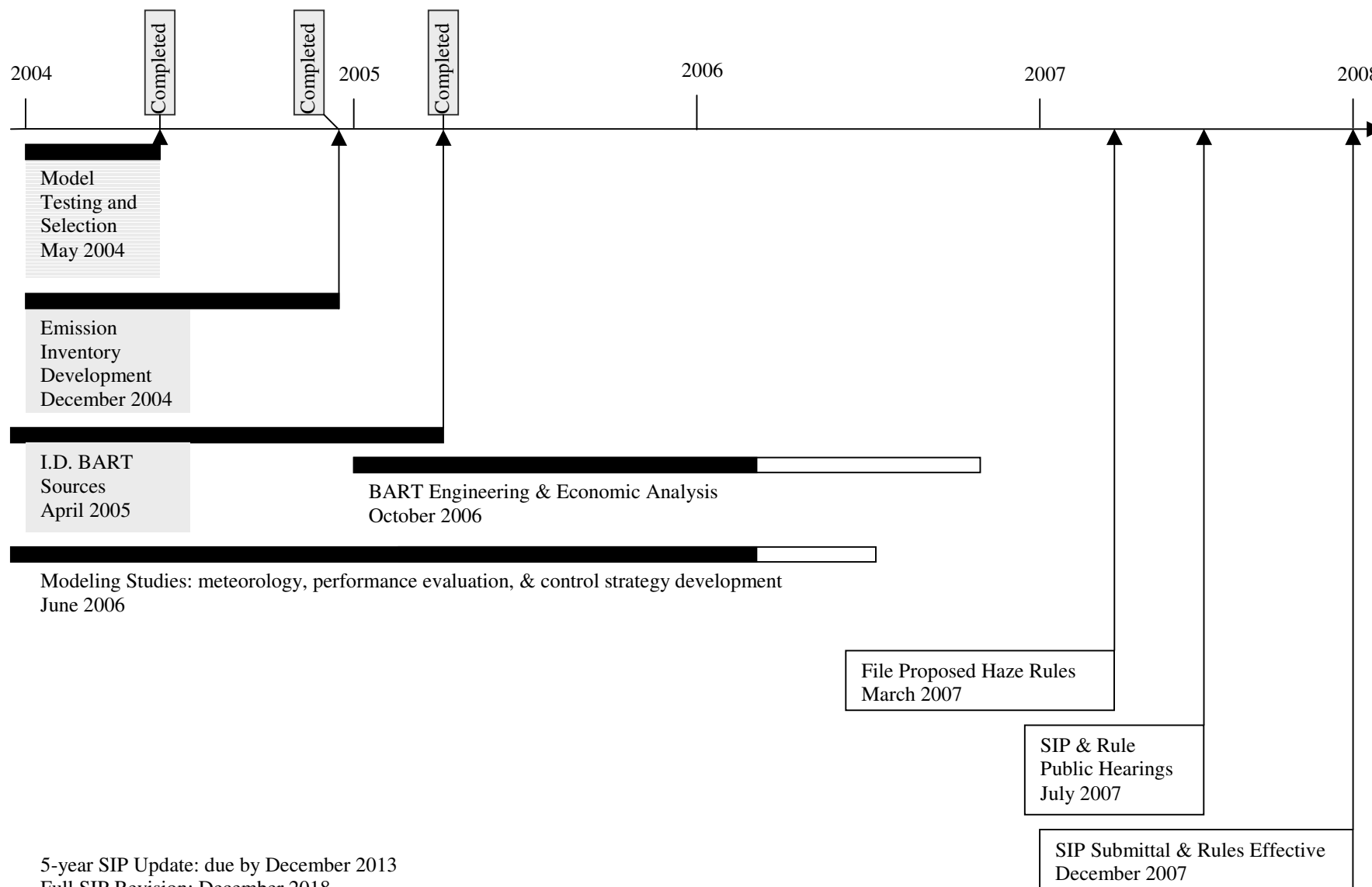
If requirement is not met within 18 months, the 2:1 emissions offset ratio sanction is imposed.

If requirement is still not met within 24 months, the sanction that withholds highway funds is imposed.

** Sanction clock starts with: 1) EPA letter to Governor for failure to submit or finding of incompleteness; or 2) EPA Federal Register final notice of Plan disapproval or nonimplementation.

Sanction clock stops with EPA letter to department director of finding of completeness.

Attachment A State Air Quality Status Report Regional Haze SIP Timeline



Inspections by Station from Mar 1 through Mar 31

Station #	Station Name	Lanes	Vehicles Inspected	Per Lane Per Day	Average Wait Time*
1	West St. Charles County	3	3763	46.46	6.17
2	East St. Charles County	3	6018	74.30	5.59
3	North County - Florissant	4	8045	74.49	6.57
4	West County - Chesterfield	2	2419	44.80	2.30
5	Mid County - Olivette	5	7315	54.19	6.00
6	North City - West Florissant	3	4362	53.85	4.29
7	West County - Manchester	4	5024	46.52	3.97
8	South City - South Kingshighway	5	9195	68.11	5.99
9	North Jefferson - Arnold	4	8419	77.95	4.94
10	South Jefferson - Herculaneum	2	3678	68.11	2.96
11	North Franklin - Union	4	1772	16.41	
12	South Franklin - St. Clair	2	724	13.41	
15	Mobile Van -	1	407	15.07	
16	Mobile Van -	1	739	27.37	
Total for Month			61,880		4.88
Overall Fail Rate for Month			9%		
Passed on 1st retest for Month			54%		
Total Waivers Issued for Month			125		
RSD			9,310		
Hybrid			4,574		
Total RapidScreen for Month			13,884		
Grand Total for Month			75,764		

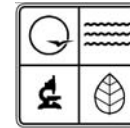
*Calculated from the time ticket is taken until position in front of station lane door



GATEWAY CLEAN AIR PROGRAM WEEKLY UPDATE

As of March 18, 2006

The goal of the Gateway Clean Air Program is to improve St. Louis air quality.



**Missouri
Department
of Natural
Resources**

	Week of Mar. 13-18, 2006	Since April 5, 2000
Number of passing tests and retests in the enhanced area:	10,282	3,001,930
Number of waivers (enhanced area):	22	33,842
Number of passing tests and retests in Franklin County:	703	276,202
Number of waivers (Franklin Co.):	1	1,550
RapidScreen notices redeemed:	2,769	898,695
Total number of vehicles (passing, waived or RapidScreened) through system:	13,777	4,212,219
RapidScreen notices mailed (through Apr. 2006 registrants):	N/A	1,228,808
Failure rate (weekly listing represents initial fail only - does not include retest fails); historical AVG represents overall failures through 12/31/05:	8.69%	11.74%
Number of vehicles passing initial retest (network wide); historical AVG represents info through 12/31/05:	948 (54%)	181,348 (65%)

Average wait times (enhanced testing area):	5.13 Min. (overall average)	5.53 Min. (75-day average)
West St. Charles County	5.30 Min.	5.89 Min.
East St. Charles County	6.18 Min.	5.10 Min.
North County – Florissant	5.82 Min.	5.51 Min.
West County – Chesterfield	2.37 Min.	2.43 Min.
Mid County – Olivette	5.53 Min.	5.26 Min.
North City – West Florissant	3.54 Min.	4.19 Min.
West County – Manchester	4.54 Min.	3.83 Min.
South City – South Kingshighway	5.10 Min.	9.42 Min.
North Jefferson County – Arnold	6.05 Min.	5.56 Min.
South Jefferson Co. – Herculaneum	3.03 Min.	2.92 Min.

Average Wait Times at the Enhanced Stations Since Program Start (in minutes): 7.80 Min. Overall AVG.

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2006	5	7	5									
2005	5	7	5	4	5	6	7	6	6	5	4	4
2004	7	9	6	5	5	6	7	6	5	5	5	4
2003	5	7	7	8	10	10	11	12	9	7	7	6
2002	10	21	17	12	11	13	14	12	12	8	6	5
2001	9	14	13	10	11	14	14	13	14	10	9	7
2000	N/A	N/A	N/A	11	20	24	12	5	9	7	6	5

Miscellaneous:

Damage claims

This week (March 13-18, 2006) damage claims were filed for 0.04% of vehicles tested. Since program start, damage claims have been filed for approximately 0.08% of all vehicles tested.

For more info: please contact the Missouri Department of Natural Resources at (314) 416-2115.

Gateway Clean Air Program Information line - Toll Free: 1-888-748-1AIR (1247)

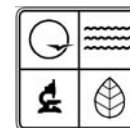
Web site: www.gatewaycleanair.com



GATEWAY CLEAN AIR PROGRAM WEEKLY UPDATE

As of March 25, 2006

*The goal of the Gateway Clean Air Program is to improve
St. Louis air quality.*



**Missouri
Department
of Natural
Resources**

	Week of Mar. 20-25, 2006	Since April 5, 2000
Number of passing tests and retests in the enhanced area:	9,808	3,011,738
Number of waivers (enhanced area):	25	33,867
Number of passing tests and retests in Franklin County:	695	276,897
Number of waivers (Franklin Co.):	0	1,550
RapidScreen notices redeemed:	2,525	901,220
Total number of vehicles (passing, waived or RapidScreened) through system:	13,053	4,225,272
RapidScreen notices mailed (through Apr. 2006 registrants):	N/A	1,228,808
Failure rate (weekly listing represents initial fail only - does not include retest fails); historical AVG represents overall failures through 12/31/05:	9.05%	11.74%
Number of vehicles passing initial retest (network wide); historical AVG represents info through 12/31/05:	966 (56%)	182,314 (65%)

Average wait times (enhanced testing area):	5.16 Min. (overall average)	5.57 Min. (75-day average)
West St. Charles County	7.32 Min.	5.86 Min.
East St. Charles County	5.75 Min.	5.22 Min.
North County – Florissant	7.09 Min.	5.68 Min.
West County – Chesterfield	2.50 Min.	2.44 Min.
Mid County – Olivette	6.17 Min.	5.41 Min.
North City – West Florissant	4.31 Min.	4.28 Min.
West County – Manchester	3.99 Min.	3.85 Min.
South City – South Kingshighway	5.21 Min.	9.27 Min.
North Jefferson County – Arnold	4.19 Min.	5.58 Min.
South Jefferson Co. – Herculaneum	2.43 Min.	2.91 Min.

Average Wait Times at the Enhanced Stations Since Program Start (in minutes): 7.79 Min. Overall AVG.

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2006	5	7	5									
2005	5	7	5	4	5	6	7	6	6	5	4	4
2004	7	9	6	5	5	6	7	6	5	5	5	4
2003	5	7	7	8	10	10	11	12	9	7	7	6
2002	10	21	17	12	11	13	14	12	12	8	6	5
2001	9	14	13	10	11	14	14	13	14	10	9	7
2000	N/A	N/A	N/A	11	20	24	12	5	9	7	6	5

Miscellaneous:

Damage claims

This week (March 20-25, 2006) damage claims were filed for 0.06% of vehicles tested. Since program start, damage claims have been filed for approximately 0.08% of all vehicles tested.

For more info: please contact the Missouri Department of Natural Resources at (314) 416-2115.

Gateway Clean Air Program Information line - Toll Free: 1-888-748-1AIR (1247)

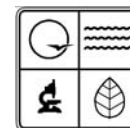
Web site: www.gatewaycleanair.com



GATEWAY CLEAN AIR PROGRAM WEEKLY UPDATE

As of April 1, 2006

*The goal of the Gateway Clean Air Program is to improve
St. Louis air quality.*



**Missouri
Department
of Natural
Resources**

	Week of Mar. 27-Apr. 1, 2006	Since April 5, 2000
Number of passing tests and retests in the enhanced area:	11,404	3,023,142
Number of waivers (enhanced area):	24	33,891
Number of passing tests and retests in Franklin County:	869	277,766
Number of waivers (Franklin Co.):	1	1,551
RapidScreen notices redeemed:	2,340	903,560
Total number of vehicles (passing, waived or RapidScreened) through system:	14,638	4,239,910
RapidScreen notices mailed (through Apr. 2006 registrants):	N/A	1,228,808
Failure rate (weekly listing represents initial fail only - does not include retest fails); historical AVG represents overall failures through 12/31/05:	10.68%	11.74%
Number of vehicles passing initial retest (network wide); historical AVG represents info through 12/31/05:	1,243 (54%)	183,557 (65%)

Average wait times (enhanced testing area):	5.78 Min. (overall average)	5.60 Min. (75-day average)
West St. Charles County	6.50 Min.	5.87 Min.
East St. Charles County	5.07 Min.	5.13 Min.
North County – Florissant	7.56 Min.	5.92 Min.
West County – Chesterfield	2.35 Min.	2.35 Min.
Mid County – Olivette	8.45 Min.	5.66 Min.
North City – West Florissant	3.43 Min.	4.28 Min.
West County – Manchester	3.85 Min.	3.79 Min.
South City – South Kingshighway	7.66 Min.	9.23 Min.
North Jefferson County – Arnold	4.30 Min.	5.47 Min.
South Jefferson Co. – Herculaneum	3.00 Min.	2.93 Min.

Average Wait Times at the Enhanced Stations Since Program Start (in minutes): 7.79 Min. Overall AVG.

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2006	5	7	5	3								
2005	5	7	5	4	5	6	7	6	6	5	4	4
2004	7	9	6	5	5	6	7	6	5	5	5	4
2003	5	7	7	8	10	10	11	12	9	7	7	6
2002	10	21	17	12	11	13	14	12	12	8	6	5
2001	9	14	13	10	11	14	14	13	14	10	9	7
2000	N/A	N/A	N/A	11	20	24	12	5	9	7	6	5

Miscellaneous:

Damage claims

This week (March 27-April 1, 2006) damage claims were filed for 0.03% of vehicles tested. Since program start, damage claims have been filed for approximately 0.08% of all vehicles tested.

For more info: please contact the Missouri Department of Natural Resources at (314) 416-2115.

Gateway Clean Air Program Information line - Toll Free: 1-888-748-1AIR (1247)

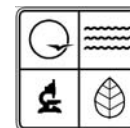
Web site: www.gatewaycleanair.com



GATEWAY CLEAN AIR PROGRAM WEEKLY UPDATE

As of April 8, 2006

The goal of the Gateway Clean Air Program is to improve St. Louis air quality.



**Missouri
Department
of Natural
Resources**

	Week of Apr. 3-8, 2006	Since April 5, 2000
Number of passing tests and retests in the enhanced area:	9,279	3,032,421
Number of waivers (enhanced area):	21	33,912
Number of passing tests and retests in Franklin County:	609	278,375
Number of waivers (Franklin Co.):	0	1,551
RapidScreen notices redeemed:	4,197	907,757
Total number of vehicles (passing, waived or RapidScreened) through system:	14,106	4,254,016
RapidScreen notices mailed (through May 2006 registrants):	16,521	1,245,329
Failure rate (weekly listing represents initial fail only - does not include retest fails); historical AVG represents overall failures through 12/31/05:	8.77%	11.74%
Number of vehicles passing initial retest (network wide); historical AVG represents info through 12/31/05:	957 (54%)	184,514 (65%)

Average wait times (enhanced testing area):	4.10 Min. (overall average)	5.57 Min. (75-day average)
West St. Charles County	3.72 Min.	5.81 Min.
East St. Charles County	3.62 Min.	5.15 Min.
North County – Florissant	6.57 Min.	6.13 Min.
West County – Chesterfield	2.09 Min.	2.35 Min.
Mid County – Olivette	5.32 Min.	5.69 Min.
North City – West Florissant	3.14 Min.	4.32 Min.
West County – Manchester	2.90 Min.	3.76 Min.
South City – South Kingshighway	4.70 Min.	8.94 Min.
North Jefferson County – Arnold	3.41 Min.	5.35 Min.
South Jefferson Co. – Herculaneum	1.78 Min.	2.89 Min.

Average Wait Times at the Enhanced Stations Since Program Start (in minutes): 7.78 Min. Overall AVG.

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2006	5	7	5	4								
2005	5	7	5	4	5	6	7	6	6	5	4	4
2004	7	9	6	5	5	6	7	6	5	5	5	4
2003	5	7	7	8	10	10	11	12	9	7	7	6
2002	10	21	17	12	11	13	14	12	12	8	6	5
2001	9	14	13	10	11	14	14	13	14	10	9	7
2000	N/A	N/A	N/A	11	20	24	12	5	9	7	6	5

Miscellaneous:

Damage claims

This week (April 3-8, 2006) damage claims were filed for 0.07% of vehicles tested. Since program start, damage claims have been filed for approximately 0.08% of all vehicles tested.

For more info: please contact the Missouri Department of Natural Resources at (314) 416-2115.

Gateway Clean Air Program Information line - Toll Free: 1-888-748-1AIR (1247)

Web site: www.gatewaycleanair.com

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – G. M. M. P., Inc. (GMMP)

On September 23, 24, and 25, 2003, an inspector from the City of St. Louis, Division of Air Pollution Control (City) conducted an inspection of building demolitions at 5862 through 5866 Cates Avenue in St. Louis, Missouri. During the inspection, suspect asbestos containing materials were found in and around the structures. Subsequent analysis of samples confirmed the presence of asbestos. On November 12, 2003, this matter was referred to the Missouri Department of Natural Resources' Air Pollution Control Program (APCP) for enforcement action consideration.

On December 16, 2003, the APCP issued Notice of Violation #123ANS6AP to GMMP for violations of Missouri State Rule 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, which adopts by reference 40 CFR 61, Subpart M – National Emission Standard for Asbestos. The specific violations were failure to inspect for the presence of asbestos, failure to notify of an asbestos abatement project, failure to comply with asbestos emission control procedures and failure to comply with asbestos waste disposal requirements.

On February 9, 2004, the APCP sent a letter to GMMP offering to settle these violations for the sum of \$10,000. On April 9, 2004, the APCP sent a letter to Ms. Gloria Montano, owner of GMMP, putting this enforcement action on hold until further notice so additional investigations could be conducted. After completion of investigation, the APCP confirmed that Ms. Montano is responsible for the violations.

On October 9, 2004, the City conducted an inspection of a building demolition project at 5703 through 5705 Cabanne Avenue in St. Louis, Missouri. During the inspection, it was discovered

the demolition contractor, GMMP, failed to provide the City with an amended start date for demolition and failed to comply with asbestos emission control procedures.

On March 17, 2005, the APCP sent a settlement offer to GMMP offering to settle the violations at Cates and Cabanne Avenues for the sum of \$10,000. Several subsequent conversations occurred with Ms. Montano and the department sent her the information regarding the investigation. Ms. Montano did make a counter offer of \$500, which the APCP rejected.

On October 28, 2005, the APCP sent a letter to Ms. Montano indicating this matter needed to be resolved by November 18, 2005. Despite additional attempts to contact Ms. Montano, the department has not received a response from her.

Based upon the failure of GMMP to negotiate a settlement, the APCP is requesting authorization to refer this matter to the Missouri Attorney General's Office.

JLK:sft

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – Mr. Mark Russell

On March 29, 2005, the Redings Mill Fire Protection District responded to a fire at property owned by Mr. Mark Russell located at 3700 W. 32nd Street, Joplin, Newton County, Missouri. Subsequent investigation by the Fire Protection District revealed the open burning of waste tires at the site. In addition, the Fire Protection District previously received information indicating Mr. Russell occasionally brings tires onto the property and burns them. On April 8, 2005, the Missouri Department of Natural Resources' Air Pollution Control Program (APCP) issued Notice of Violation (NOV) #45RS3AP to Mr. Russell for illegal open burning. Open burning of waste tires is a violation of the Missouri State Air Regulation 10 CSR 10-3.030, "Open Burning Restrictions." In the cover letter issued with the NOV, the APCP proposed a \$2,000 settlement.

On April 13, 2005, the APCP received a report from the Fire Protection District stating one of their fire fighters witnessed Mr. Russell taking a load of tires back to his property to dump. On April 15, 2005, the APCP received a report from Mr. Todd Chlanda, Captain of the Fire Protection District, stating one of their firefighters saw a large black column of smoke coming from Mr. Russell's property. At the time they had not received a call on the fire and could not enter the property. Mr. Chlanda indicated the Fire Protection District had reports of people seeing Mr. Russell taking tires to his property.

On May 17, 2005, the APCP sent Mr. Russell a second letter offering to settle the case. Mr. Russell failed to respond to the original settlement offer dated April 8, 2005. The May 17th letter was returned to the APCP as unclaimed.

On July 12, 2005, the APCP contacted Mr. Russell by telephone. Mr. Russell claimed trespassers were responsible for the burning, and he has spent considerable time and money trying to keep trespassers off his property. He also claimed some of his tenants were causing him problems. He claimed it took considerable effort to evict them; he implied they are probably the people who reported him to the Fire Protection District. The conversation with Mr. Russell ended in order for the APCP to review the file. The APCP then attempted to contact Mr. Russell by telephone later that same day. A message was left requesting Mr. Russell return the call. The APCP attempted to contact Mr. Russell two more times, July 19 and August 22, 2005. Messages were left both times requesting Mr. Russell return the call.

On August 31, 2005, the APCP sent Mr. Russell a letter indicating he needs to contact us to negotiate a penalty or the case will be referred to the Attorney General's Office.

On August 30, 2005, the Fire Protection District responded to another fire at Mr. Russell's Property (3700 West 32nd Street). Upon investigation, it was revealed that tires and other solid waste had been open burned. On September 7, 2005, the APCP issued NOV #95RS1AP to Mr. Russell for illegal open burning and raised the proposed penalty to \$4,000.

On September 12, 2005, Mr. Russell contacted the APCP. Mr. Russell claimed he knew nothing about the August 30, 2005, fire. He also stated that has been in and out of the hospital over the past couple of months. Mr. Russell was reminded of previous conversations and explained that due to the nature of the reports of him bringing tires onto his property and burning them, the APCP would need some documentation showing he is not responsible for the burning. Documentation of his efforts to keep trespassers off his property and documentation of his complaints to the sheriff's office reporting trespassers would be a good start. The referral process was also explained and Mr. Russell promised to call back in a couple of days.

On September 13, 2005, Mr. Russell contacted the APCP. Mr. Russell continued to talk about his health problems, problems with his neighbors, and his financial problems, however, he was noncommittal when asked to provide documentation of his health problems and actions he has taken to secure his property. Mr. Russell indicated he would have one of his neighbors contact the APCP to discuss the case. Mr. Russell also indicated he had been in the St. Johns Hospital.

Mr. Russell contacted the APCP again on the afternoon of September 13, 2005. Mr. Russell requested the APCP speak to a person who identified herself as Miss Hanna. Miss Hanna was difficult to understand, however, she basically stated she either witnessed, or someone told her, another party was burning on Mr. Russell's property. Miss Hanna then indicated the other party was Mr. Mark Peterson. The APCP requested she submit a written statement and she agreed to do so.

Mr. Russell indicated he had the APCP address. He also agreed to submit documentation showing his hospital stays and his efforts to secure his property against trespassers.

Missouri Air Conservation Commission
Page Three

As of the date of this memo, the APCP has not received a written statement from Miss Hanna, nor has the APCP received any documentation from Mr. Russell.

On October 24, 2005, Mr. Russell verbally agreed to a \$4,000 penalty in order to resolve the violations. Mr. Russell was to pay \$1,000 of the penalty and the APCP would suspend \$3,000 of the penalty.

On January 11, 2006, the Redings Mill Fire Protection District responded to another fire at Mr. Russell's property. An approximately 30'x30' pile of solid waste was found burning. The APCP issued NOV #16RS3AP for this violation on January 19, 2006, and withdrew the verbal agreement.

In light of the failure to resolve the violation with conference, conciliation and persuasion, the APCP is requesting authority to refer the case to the Attorney General's Office. The APCP recommends approval of this action.

JLK:rsd

c: Andy Nimmo, Redings Mill Fire Protection District
Paul Vitzthum, Southwest Regional Office
Beth Marsala, Solid Waste Management Program

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – Hobby Lobby

On March 16, 2005, a representative of the Missouri Department of Natural Resources' Air Pollution Control Program (APCP) investigated a complaint of a renovation project of Hobby Lobby Store #46 located at 2235 Missouri Boulevard in Jefferson City, Missouri. The APCP spoke with Mr. John Spath, Store Manager of Hobby Lobby Store #46. Mr. Spath indicated the corporate office manages maintenance activities (such as the floor tile removal that was done in this project). The APCP informed Mr. Spath that Mr. Dirk Crockett had been the corporate contact during previous penalty negotiations involving a similar violation incurred during renovation work in 2001. Mr. Spath indicated that he was not employed at this store location during that time.

On March 21, 2005, Mr. Spath agreed to allow the APCP to return to the store to sample the floor tile. During the sampling visit, the APCP informed Mr. Spath the office had been unable to contact Mr. Crockett regarding obtaining an inspection report for the current renovation activities. Mr. Spath informed the APCP he had spoken with Mr. Crockett after the initial inspection by the APCP and Mr. Crockett had indicated that an inspection had not been conducted. Mr. Crockett said that with the number of stores with ongoing projects, it was an oversight that this inspection had not been conducted.

On March 22, 2005, the APCP reached Mr. Crockett via telephone. Mr. Crockett indicated that any tile affected by the moving of departments or a shelf is considered a maintenance activity and referred the APCP to Ms. Lynn Smith. Ms. Smith gave the APCP contact information for the tile removal contractor.

On March 24, 2005, the results of the sampling conducted by the APCP on March 21, 2005, were returned to the APCP and detected no asbestos.

As a result of the March 16, 2005, investigation and the subsequent information gained through staff interviews, it was determined that Hobby Lobby Store #46 was renovated without first having an inspection conducted for the presence of asbestos containing materials. This action is in violation of the Missouri Air Conservation Regulation 10 CSR 10-6.080, "*Emission Standards for Hazardous Air Pollutants*," which adopts by reference 40 CFR Part 61, Subpart M – "*National Emission Standard for Asbestos*". Therefore, on April 1, 2005, the APCP issued Notice of Violation #AP05PWJ5 to Hobby Lobby to document this violation.

On April 8, 2005, the APCP received a letter from Mr. Dirk Crockett, which indicated that the floor tiles were removed via hand methods over an intermittent period of approximately two weeks.

On May 12, 2005, the APCP sent a \$4,000 settlement offer letter via certified mail to Mr. Crockett. The letter requested Mr. Crockett to respond to the letter by June 10, 2005. The certified letter was claimed and signed for by Ms. Carol Little on May 16, 2005. On June 10, 2005, the APCP received a fax from Mr. John Graham, Attorney for Hob-Lob, L.P. In this fax, Mr. Graham requested an extension of the deadline to investigate the matter and consult with his client.

On June 15, 2005, the APCP received a telephone call from a coworker of Mr. Graham. This individual requested another extension as Mr. Graham was out of the office on a personal matter. The APCP granted an extension until mid to late July.

On July 21, 2005, the APCP received a fax from Mr. Graham. In this fax, Mr. Graham stated that his client denied the violation as the affected tiles were inspected in October of 2001. Mr. Graham included the inspection reports and requested the violation to be dismissed. However, the inspection reports do not list any floor tile analyses. In addition, these inspection reports were verified by the APCP inspector as being done prior to the renovation of a different section of the store.

On July 25, 2005, the APCP again sent a \$4,000 settlement offer via certified mail to Mr. Graham, as neither Mr. Graham nor Hobby Lobby Corporate headquarters had provided proof of completion of an asbestos inspection prior to renovation. The letter requested a response by August 21, 2005. This letter was claimed and signed for by Ms. Little on July 27, 2005.

On August 19, 2005, the APCP received a fax from Mr. Graham. In this fax, Mr. Graham stated that his client respectfully disagreed with the conclusions the APCP had made regarding the inspection reports submitted in the July 21, 2005 fax. Mr. Graham then offered, in the interest to efficiency, a penalty of \$500.

On August 24, 2005, the APCP responded via certified letter to Mr. Graham. This letter requested a response by September 22, 2005. The letter was claimed and signed for by Ms. Little on August 29, 2005. In the letter, the APCP agreed, after taking into consideration the previous violation and penalty sustained by Hobby Lobby in October of 2001, to settle this matter for a penalty of \$2,000 paid and \$2,000 suspended for a two-year period.

On September 21, 2005, the APCP received another fax from Mr. Graham. In this fax, Mr. Graham indicated that Hobby Lobby would be willing to settle this matter for a penalty of \$1,000 paid and \$1,000 suspended as they are confident that they can prove that the inspection reports submitted satisfied the inspection requirements.

On September 27, 2005, the APCP again sent a certified letter to Mr. Graham. This letter requested a response by October 21, 2005. This letter was claimed and signed for by Ms. Little on September 29, 2005. In the letter, the APCP reiterated our previous settlement offer of \$2,000 paid with \$2,000 suspended. No response to this letter was received by the APCP.

On November 3, 2005, the APCP sent a certified letter to Mr. Graham. This letter informed Mr. Graham that as the APCP and Hobby Lobby have been unable to reach an agreement, the APCP is prepared to place this matter on the February 6, 2006, agenda of the Missouri Air Conservation Commission where the APCP will request authorization to refer the outstanding violations to the Attorney General's Office. Ms. Little claimed and signed for this letter on November 7, 2005. No response to this letter was received by the APCP.

As of this date, neither Hobby Lobby nor Mr. Graham has contacted the department. The APCP is requesting authorization to refer this matter to the Attorney General's Office for appropriate legal action. I recommend your approval of this action.

JLK:dbf

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – Sinfabco

On October 6, 2005, the Missouri Department of Natural Resources' Kansas City Regional Office (KCRO) conducted an inspection of an asbestos demolition project at the Heartland Regional Medical Center in St. Joseph, Missouri. During this inspection, the KCRO discovered that Sinfabco, a subcontractor for this project, disturbed approximately 300 square feet of asbestos containing thermal insulation in the ground floor generator room and 200 square feet of asbestos containing thermal insulation in the energy plant generator area. Notice of Violation of Missouri State Rule 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, which adopts by reference 40 CFR 61, Subpart M – National Emission Standard for Hazardous Air Pollutants – Asbestos, was issued to Sinfabco on October 6, 2005.

On November 23, 2005, a letter was sent to Sinfabco offering to settle this violation for the sum of \$5,000. On November 28, 2006, Mr. Mike Sinn, owner of Sinfabco, contacted the department Air Pollution Control Program (APCP) by telephone. Mr. Sinn was given the opportunity to submit information that would mitigate his liability. The APCP did not receive any information from Mr. Sinn.

On December 22, 2005, the APCP sent a letter to Mr. Sinn asking him to expedite the submittal of the required information. The APCP did not receive any information from Mr. Sinn.

On February 10, 2006, the APCP sent a letter to Mr. Sinn indicating that as a result of his failure to submit any information, a referral to the Missouri Attorney General's Office would be sought.

On February 17, 2006, Ms. Kim Sinn, of Sinfabco, contacted the APCP and indicated that she would be submitting some information. The APCP received no information from Ms. Sinn.

Missouri Air Conservation Commission
Page Two

Due to the failure of Sinfabco to resolve this matter through negotiation, the APCP requests authority to refer this case to the Attorney General Office to institute a civil action in a court of competent jurisdiction on behalf of the Missouri Air Conservation Commission and Missouri Department of Natural Resources.

JLK:sfd

c: Richard Vani, Kansas City Regional Office

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – Mr. Matt Holloran, Jefferson County

The Missouri Department of Natural Resources' St. Louis Regional Office received three fire incident notices from the Goldman Fire Protection District (Goldman FPD). The incidents involved the disposal of demolition waste and other regulated wastes by unlawful open burning. The burning took place on property owned by Mr. Matt Holloran located at 6036 North Lakeshore in Hillsboro, Jefferson County, Missouri. The open burning initiated an onsite response by the Goldman FPD twice on July 10, 2005, and a third time on July 20, 2005. The burned materials included demolition waste from a utility type structure. The Goldman FPD advised Mr. Holloran of the open burning regulations during the first response on July 10, 2005. More material had been added to the burn pile prior to the second response on July 10, 2005. The Goldman FPD was dispatched on July 20, 2005, to extinguish a third non-permitted fire. Open burning of such material for disposal is a violation of Missouri State Regulation 10 CSR 10-5.070, "Open Burning Restrictions." The St. Louis Regional Office issued Notice of Violation #2513SL to Mr. Matt Holloran on July 29, 2005.

The department's Air Pollution Control Program (APCP) sent a certified letter to Mr. Holloran at his 6035 Lansdowne Avenue, St. Louis, Missouri address on August 18, 2005, offering an out-of-court settlement to resolve the issue. The letter was received and signed for by Mr. Holloran on August 29, 2005. The letter contained a September 19, 2005, response date. The APCP did not receive a response to the certified letter.

The APCP sent a second certified letter to Mr. Holloran on October 13, 2005, offering an out-of-court settlement to resolve the issue. The letter was received and signed for by Mr. Holloran on October 31, 2005. Mr. Holloran contacted the APCP on October 31, 2005. Mr. Holloran said he just received the letter. Mr. Holloran stated due to the fact he owns three homes, mail may take some time to reach him. Mr. Holloran stated the fire department gave him a permit and did not tell him he could

not burn two by fours. Mr. Holloran also stated he was starting a business and had not taken a paycheck in two years. Mr. Holloran stated he would send a letter outlining his side of the story and situation by the end of the next week. On November 2, 2005, the APCP received a letter from Mr. Holloran. The letter stated Mr. Holloran did not have money to pay a settlement and did not know it was illegal to burn.

On November 21, 2005, the APCP sent a letter to Mr. Holloran. The letter stated all open burning must stop immediately and requested Mr. Holloran submit receipts demonstrating the burn debris had been removed and taken to a sanitary landfill. The letter also stated the APCP had determined that a paid settlement to resolve the situation was appropriate given the circumstances. The APCP requested Mr. Holloran demonstrate the lack of financial means to pay a civil penalty.

On December 1, 2005, APCP staff spoke with Mr. Holloran by telephone. The APCP requested a letter stating what became of the burn debris. The APCP explained Mr. Holloran would need to demonstrate he could not pay a settlement. Mr. Holloran again stated he had not taken a paycheck as he was trying to start a new business. Mr. Holloran stated he would ask his accountant to draft a letter.

On December 28, 2005, the APCP sent a letter to Mr. Holloran informing him that the APCP had not received a letter from him or his accountant as promised in his December 1, 2005, telephone conversation. The APCP letter again requested the letters and again proposed a resolution through an out-of-court settlement offer.

On January 4, 2006, Mr. Holloran faxed a letter to the APCP. The letter included a receipt for a 30-yard roll-off dumpster delivered and returned in June 2005. The letter stated all burning had stopped and the metal debris was taken for scrap. Included with the letter and receipt was a letter from YJS Management stating Mr. Holloran did not draw an income in 2005 and maintained his household by borrowing money.

On January 11, 2006, the APCP sent Mr. Holloran a letter in response to the January 4, 2006, fax. The APCP letter explained the circumstances of the case were not conducive to dismissing the matter without a monetary settlement. The APCP letter requested more of a demonstration of an inability to pay a settlement than a short letter from his accountant. The APCP letter stated Mr. Holloran financially gained from illegal disposal of demolition waste and was able to maintain his property and assets. The letter again proposed an out-of-court settlement. The APCP letter requested Mr. Holloran respond to the letter by January 25, 2006. Mr. Holloran signed for the letter on January 12, 2006, but did not respond.

On February 28, 2006, the APCP sent a letter to Mr. Holloran explaining since he did not respond to the earlier letter, the APCP would refer the case to the Missouri Air Conservation Commission to discuss referral to the Attorney General's Office. The APCP made a final settlement proposal and gave Mr. Holloran a response date of March 3, 2006.

Mr. Holloran called the APCP on March 2, 2006. Mr. Holloran stated he did not receive the January 11, 2006, letter. Mr. Holloran stated someone is living at the property and he blamed the open burning on that person. Mr. Holloran did not make it clear whether or not this person was a renter. Mr. Holloran said he told the person not to burn. Mr. Holloran said he was not going to pay a penalty for burning two by fours. Mr. Holloran said he is not going to provide tax records to demonstrate he cannot pay a settlement.

Mr. Holloran also stated the fire department did not warn him and he was not the person on site doing the burning. Mr. Holloran made a counter offer of settlement that was not acceptable and did not include any suspended amount. Mr. Holloran stated he was finished negotiating. The APCP explained the referral process and told Mr. Holloran he was welcome to make a reasonable offer of an out-of-court settlement at any time. The APCP faxed the copies of the previous correspondence to Mr. Holloran.

The APCP requests authorization to refer this matter to the Attorney General's Office for the purpose of instituting a civil action in a court of competent jurisdiction on behalf of the Missouri Air Conservation Commission and the Missouri Department of Natural Resources.

JLK:bnd

c: St. Louis Regional Office
Source file Jefferson County Open Burning file

MEMORANDUM

DATE:

TO: Missouri Air Conservation Commission

THROUGH: Daniel R. Schuette, Director
Division of Environmental Quality

FROM: James L. Kavanaugh, Director
Air Pollution Control Program

SUBJECT: Attorney General's Office Referral Request – Mr. Mike Nelson, Butler County

On July 13, 2005, a representative of the Missouri Department of Natural Resources' Southeast Regional Office investigated the illegal dumping and the open burning of approximately 200 waste tires at Mr. Mike Nelson's residence located at 152 Butler County Road in Fisk, Butler County, Missouri. Open burning of tires is prohibited by Missouri State Regulation 10 CSR 10-3.030, "Open Burning Restrictions." Approximately 5,000 waste tires have been dumped on the property. Section 260.210(3) of the Missouri Solid Waste Management Law specifically prohibits any solid waste burning in violation of the rules and regulations of the Missouri Air Conservation Commission. Section 260.270 of the Missouri Solid Waste Management Law requires a permit from the department for operating and maintaining a waste tire site. Mr. Nelson did not request such a permit. The Southeast Regional Office issued Notice of Violation #18325SE to Mr. Nelson on July 21, 2005.

The department's Solid Waste Management Program sent a certified letter to Mr. Nelson on October 4, 2005, offering an out-of-court settlement to resolve the issue. The Solid Waste Management Program discussed the issue by telephone with Mr. Nelson several times. The most recent conversation between the Solid Waste Management Program and Mr. Nelson was on February 21, 2005. Mr. Nelson was to respond to the settlement offer by February 24, 2006. Mr. Nelson did not respond.

The department's Air Pollution Control Program sent a certified letter to Mr. Nelson on March 7, 2006 explaining his situation and offering to resolve the issue with an out-of-court settlement. To date, Mr. Nelson has not responded to the settlement offer.

The Air Pollution Control Program requests authorization to refer this matter to the Attorney General's Office for the purpose of instituting a civil action in a court of competent jurisdiction on behalf of the Missouri Air Conservation Commission and the Missouri Department of Natural Resources.

JLK:bnd

c: Rick Pretz, Southeast Regional Office
Richard Allen, Solid Waste Management Program
Source file Butler County Open Burning file

Reference Links

Department and Program Information

[Air Pollution Control Program](#)

[Department of Natural Resources](#)

[State of Missouri](#)

[Air Issues](#)

[Asbestos](#)

[DNR Calendar of Events](#)

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Rules

[Rules in Development](#)

[Code of State Regulations](#)

[Missouri Register](#)

[Missouri State Implementation Plan \(SIP\) Summaries and Federally Approved Regulations](#)

Commissions & Workgroups

[Air Program Advisory Forum](#)

[Missouri Air Conservation Commission \(MACC\)](#)

[Missouri Air Conservation Commission \(MACC\) Agenda](#)

[Clean Air Interstate Rule \(CAIR\) and Clean Air Mercury Rule \(CAMR\) Workgroup](#)

[Open Burning Workgroup](#)

[St. Louis 8-Hour Ozone and PM2.5 State Implementation Plan \(including Workgroup links\)](#)

Data Systems

[Missouri's Air Quality Data](#)

[Missouri Emissions Inventory System \(MoEIS\) Online](#)

[Missouri Emissions Inventory System \(MoEIS\) Updates](#)

Permits

[Draft Permits on Public Notice, Response to Comments and Final Permits](#)

[Issued Permits \(beginning January 2006\)](#)



MISSOURI DEPARTMENT OF NATURAL RESOURCES

DEPARTMENTAL OFFICES

Kansas City Area

- **Kansas City Regional Office**
500 NE Colbern Rd
Lee's Summit, MO 64086-4710
(816) 622-7000
FAX: (816) 622-7044

- **Department of Energy
Kansas City Plant / DNR - AIP**
2000 E. Bannister Rd.
P.O. Box 410202
Kansas City, MO 64141-0202
(816) 997-5790
FAX: (816) 997-3261

- **Kansas City Satellite Office**
4750 Troost Avenue
Kansas City, MO 64110
(816) 759-7313
FAX: (816) 759-7333

- **Northwest Missouri Satellite Office**
Northwest Missouri State University
Environmental Services, 800 University Drive
Maryville, MO 64468-6015
(660) 582-5210 or (660) 582-5290
FAX: (660) 582-5217

Northeast Area

- **Northeast Regional Office**
1709 Prospect Dr.
Macon, MO 63552-2602
(660) 385-8000
FAX: (660) 385-8090

Northeast Area (continued)

- **Mississippi River Project Office**
Wakonda State Park
Rt 1 Box 242
LaGrange, MO 63448
(573) 655-4178
FAX: (573) 655-8852

St. Louis Area

- **St. Louis Regional Office**
7545 S. Lindbergh, Ste 210
St. Louis, MO 63125
(314) 416-2960
FAX: (314) 416-2970
- **Franklin County Satellite Office**
Meramec State Park
Hwy 185 S.
Sullivan, MO 63080
(573) 860-4308
FAX: (573) 468-5051
- **Hazardous Waste Field Office**
917 N. Hwy 67, Ste. 104
Florissant, MO 63031
(314) 877-3250 or 3251
FAX: (314) 877-3254
- **Jefferson County Satellite Office**
Eastern District Parks Office
Hwy 61
Festus, MO 63028
(636) 931-5200
FAX: (636) 931-5204

St. Louis Area (continued)

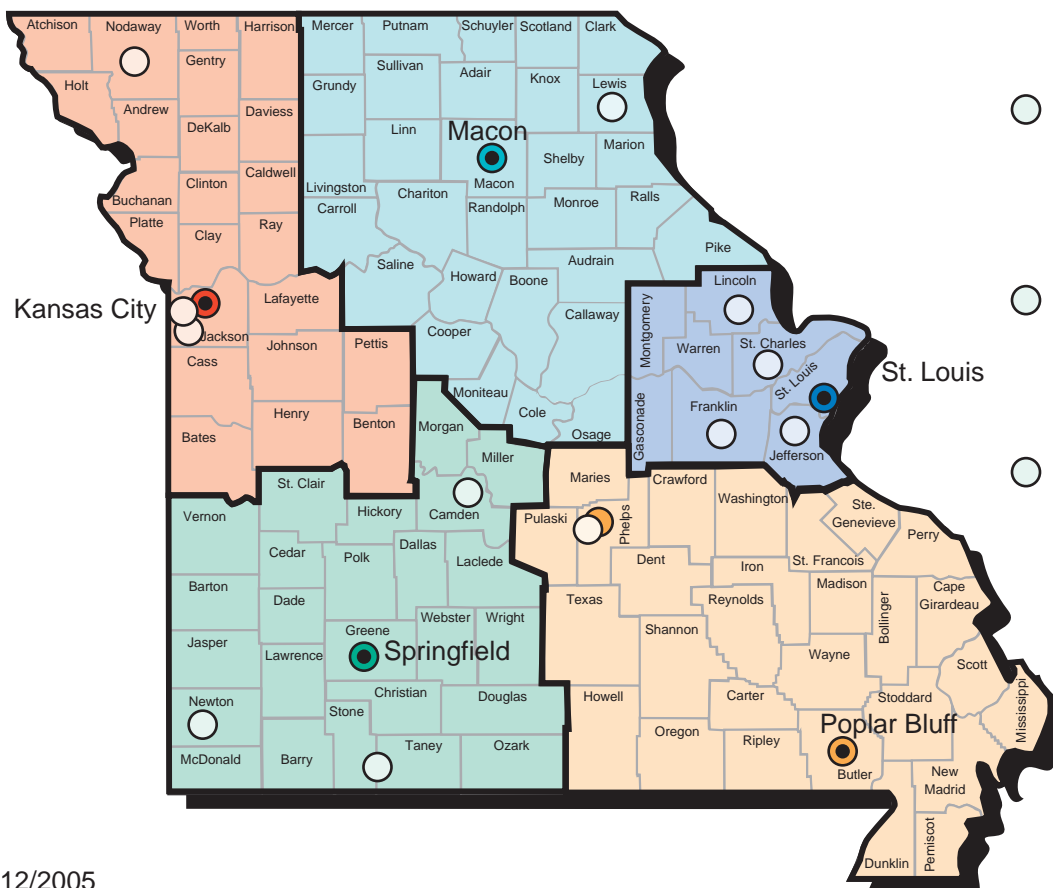
- **Lincoln County Satellite Office**
Cuivre River State Park
678 State Rt. 147
Troy, MO 63379
(636) 528-4779
FAX: (636) 528-5817

Southeast Area

- **Southeast Regional Office**
2155 North Westwood Boulevard
Poplar Bluff, MO 63901
(573) 840-9750
FAX: (573) 840-9754
- **Division of Geology and Land Survey**
111 Fairgrounds Rd.
P.O. Box 250
Rolla, MO 65402
(573) 368-2100
FAX: (573) 368-2111
- **Rolla Satellite Office**
111 Fairgrounds Rd.
Rolla, MO 65402
(573) 368-3185
FAX: (573) 368-3912

Southwest Area

- **Southwest Regional Office**
2040 W. Woodland
Springfield, MO 65807-5912
(417) 891-4300
FAX: (417) 891-4399
- **Lake of the Ozarks Satellite Office**
Camden County, 5568 A Hwy 54
Osage Beach, MO 65065
Mailing address:
2040 W. Woodland
Springfield, MO 65807-5912
(573) 348-2442
Fax: (573) 348-2568
- **Neosho / Joplin Area Satellite Office**
1900 S. 71 Highway
Neosho, MO 64850
(417) 455-5155
FAX: (417) 455-5157
Mailing address: 2040 W. Woodland
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